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Statistic Survey of the Śloka in the Mahābhārata

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This paper is a product of my recent attempt in analyzing all the the types and patterns of Śloka verses in the Mahābhārata with a computer. The Śloka, which consists of two lines or hemistichs of sixteen syllables each, is the standard verse of the Mahābhārata, occupying 93.6 percent of the whole text, excluding sporadic prose-portions (141,513 eight-syllabic lines, i.e., about 70,800 verses[1] out of 151,166 metrical lines, i.e., about 75,600 verses in the Poona Critical Edition).

E. W. Hopkins' *The Great Epic of India*, the classical, monumental study in epic literature (New York: Charles Scribner's Sons, London: Edward Arnold 1901), has been used by most scholars of Indian epics for more than ninety years. This monograph still remains an excellent guide-book for us to get a general idea of epic meter, but it rarely gives precise details of the variation and quantity of metrical patterns. More often than not we must be content with the author's vague and impressionistic statement such as "The fourth Vipulā *usually* follows ⏑—⏑—," "The last syllable of the vipulā is *generally* long," or 'it must therefore be marked as occurring *passim rather than as common*," when we have need of accurate information on the situation. In addition, his description does not always agree with the actual situation of the epic Śloka, even with deduction for his use of older editions of the Mahābhārata. For example, he

1 This statistic contains a small amount of non-Śloka verses of eight-syllabic pādas. See Section 6.

says, "The last syllable [of the third Vipulā] is indifferently short or long" (p.221). Our tables (Section 1), however, show that the long final of this Vipulā is often more than twice as large as the short one in quantity. On the opening of the fourth Vipulā he remarks that it "usually follows ⏑–⏑–, but in some sections is found quite as often after ⏑––– and ⏑⏑––" (p.222). As far as the Books (Parvans) are concerned, neither of the latter openings occurs *quite as often* as ⏑–⏑– in any Books except for the negligible material in the tenth Book. Particularly misleading is the table he offers on page 236 concerning all the Bhārata combinations for the prior pāda. From our data the reader will realize that most of the combinations indicated with **s** (very rare, sporadic) and ? in his table are better described as virtually 'non-existent' in the Mahābhārata with the occurrence less than two or three. A detailed review of the *GEI* on epic Śloka will require a separate article. In this paper I confine my job to the report of full and precise data on the metrical patterns of epic Śloka, which rapid progress in computer technology today has enabled to collect from such a huge text as the Mahābhārata. Here is the list of the contents of this paper.

§1 Metrical patterns of the pāda

Table (a') Books i–vi: odd pāda

Table (a'') Books i–vi: even pāda

Table (b') Books vii–xii: odd pāda

Table (b'') Books vii–xii: even pāda

Table (c') Books xiii–xviii, BhG, Nala: odd pāda

Table (c'') Books xiii–xviii, BhG, Nala: even pāda

§2 Hypermetricism

(1) Initial resolution

(2) Miscellaneous

§3 Catalecticism

§4 Cadence other than diiambus

§5 Piṅgala's prohibitions

(a) Pyrrhic in the 2nd–3rd syllables

(b) Pyrrhic in the 10th–11th syllables

(c) Amphimacer in the 10th–12th syllables

§6 Eight syllabic meters other than Śloka

§7 Word-boundaries in Vipulās (Books i–iii, BhG, Nala)

Appendix: Odd pādas of rare sequences

The first section consists of the tables of statistic data on all the quantitative sequences of the eight-syllabic Śloka-pāda. The tables are divided into three parts: (a) Books i–vi, (b) vii–xii, (c) xiii–xviii, BhG, Nala. Each part gives two types of information, namely, the data of the odd or prior pāda (a', b', c') and those of the even or posterior pāda (a", b", c").

The next four sections concern irregular Śloka-pādas in the Mahābhārata. I have listed all the hypermetric and catalectic pādas, which the analysis of the first section has ignored, in the second and third sections. Then you will find a list of the lines with a cadence other than diiambus in the fourth section. The fifth seciton refers to the Śloka-pādas ignoring the so-called Piṅgala's prohibitions in three groups according to the type of prohibition. I have added an information on the eight-syllabic meters other than Śloka in the sixth section.

Caesura is an essential and indispensable part of metrical analysis but I have not yet succeeded in preparing an efficient program fit for this purpose. The seventh section just shows my attempt in analyzing caesuras of epic Śloka from the point of word-boundaries. At the end of this paper I have provided a list of all the line-numbers of the odd pādas

with rare metrical sequences for those who want exact information on relatively rare patterns in epic Śloka.

In this paper I use 'sequence,' 'pattern,' 'type,' and 'combination' in the following meanings. 'Sequence' or 'quantitative sequence' means a succession of long and short syllables in general. 'Pattern' or 'metrical pattern' is a sequence of four syllables, which Hopkins calls 'foot,' in the pāda-initial position. 'Type' means a metrical category of Śloka such as Pathyā, Vipulā 1, Vipulā 2, Vipulā 3, and Vipulā 4. When a pattern is associated with a type, I call the whole sequence of the eight syllables 'combination,' which is abridged to 'Comb.' in the tables.

In spite of my repeated correction the machine-readable text of the Mahābhārata, on which the present analysis is based, is still not totally free from typing mistakes and the reader is requested not to believe that the figures are one hundred percent correct. I suppose, however, that the error-rate is negligibly small for the massive epic text.

For most of my analysis here I am indebted to the meter-program MET2.COM, produced by Mr. Toru Tomabechi, graduate student of the Buddhist Studies at Kyoto University. This program, written in Assembler, is quite efficient both in speed and in functions. The only problem is that it omits the figure below the second decimal place.[2] Consequently the total of ratios does not reach one hundred. Those who want exact ratios are advised to count by themselves from figures in the tables.

I would like to express my special thanks to Prof. Hideaki Nakatani of Kobe Gakuin University for his valuable comments on this paper. Also, I thank my students, Mizue Sugita and Tomoko Noda, who helped me

2 The percentage of the 8th syllable in the tables, which I counted by hand, rounds off the fractions to two decimal places.

correct errors in this paper as well as typing mistakes in my computerized text of the Mahābhārata.

§1 Metrical patterns of the pāda

In the tables I have tabulated data in the order of the Books of the Mahābhārata. Only the last three Books are treated as one group, as they appear to be a latest addition to make the total number of the Books of the Mahābhārata eighteen. In the right-end columns you will find the statistics of the Bhagavadgītā (vi.23–40) and the Nalopākhyāna (iii.50–78). I cannot give more information on minor Parvans or sections of the epic at the present stage. Let me emphasize that the figures in the tables represent not verses but lines (hemistichs) of epic Śloka.

For brevity I have used the following symbols in the tables: P – Pathyā, V1 – Vipulā 1, V2 – Vipulā 2, V3 – Vipulā 3, V4 – Vipulā 4, m or mni – minor Ionic (⏑⏑–⏒), M or Mji – major Ionic (––⏑⏒), D or Dpc – diiambic prior cadence (⏑–⏑⏒). Capital and small letters of a to H indicate, as shown in parentheses inside the tables, possible sequences of the first four syllables of the pāda. For example, **Pa** means Pathyā 1 with the opening ––––, **V2C** Vipulā 2 with the opening ⏑–⏑–, and **me** minor Ionic with the opening –––⏑.

In the tables the columns indicate the Books and two exemplary texts of minor Parvans (BhG, Nalopākhyāna) and the rows quantitative sequences of the pāda, which correspond to the eight-syllables of the odd pāda (with the final syllaba anceps) in the tables a', b', c', and to the beginning four syllables of the even pāda in the tables a", b", c". In oder to save space, I have omitted V1h/H, V2h/H, V3h/H, V4h/H, which are not found in the Mahābhārata, from the tables. Note also that the figure in parentheses indicates the ratio of the sequence in the total number of

the metrical type (such as Pathyā, Vipulā1, etc.), while the percentage of a metrical type, indicated in the column 'total,' corresponds to the proportion of it in the whole Śloka. For each metrical type you can get information on the quantity of the final syllable of the pāda in the rows: 8th (–) and 8th (⏑), which you will find just above the row of the total number. From a practical point of view I have included the exceptionally rare minor Ionic, major Ionic, diiambic prior cadence as well as a small amout of eight-syllabic non-Śloka meters in the total amount of Śloka lines.

After a long way to come to these results I cannot but express a slight disappointment to see that the metrical patterns of the Books look fairly levelled, compared particularly with the situations in the Bhagavadgītā and the Nalopākhyāna. Perhaps we will have to make another investigation into minor Parvans or particular section of each Book to get clearer contrasts in statistics on the epic meter. At any rate, the tables and other data in this paper, I hope, will improve our knowledge on the actual situation of the variation and quantity of the Śloka-verses in the Mahābhārata.

(a') Books i–vi: odd pāda

Comb. Book	i	ii	iii	iv	v	vi
Pa (----)	1287 (11.3%)	464 (12.2%)	1985 (11.7%)	390 (12.9%)	1139 (12.2%)	976 (10.3%)
PA (⏑---)	1162 (10.2%)	358 (9.4%)	1729 (10.2%)	307 (10.2%)	988 (10.6%)	856 (9.0%)
(⏓---)	2449 (21.5%)	822 (21.7%)	3714 (21.9%)	697 (23.2%)	2127 (22.9%)	1832 (19.4%)
Pb (-⏑--)	1861 (16.3%)	629 (16.6%)	2606 (15.3%)	449 (14.9%)	1438 (15.5%)	1514 (16.0%)
PB (⏑⏑--)	1136 (9.9%)	376 (9.9%)	1613 (9.5%)	311 (10.3%)	955 (10.2%)	772 (8.1%)
(⏓⏑--)	2997 (26.3%)	1005 (26.5%)	4219 (24.9%)	760 (25.2%)	2393 (25.7%)	2286 (24.2%)
Pc (--⏑-)	554 (4.8%)	191 (5.0%)	855 (5.0%)	181 (6.0%)	482 (5.1%)	493 (5.2%)
PC (⏑-⏑-)	633 (5.5%)	214 (5.6%)	942 (5.5%)	201 (6.6%)	469 (5.0%)	502 (5.3%)
(⏓-⏑-)	1187 (10.4%)	405 (10.7%)	1797 (10.6%)	382 (12.7%)	951 (10.2%)	995 (10.5%)
Pd (-⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.0%)
PD (⏑⏑⏑-)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑-)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.0%)
Pe (---⏑)	819 (7.2%)	281 (7.4%)	1273 (7.5%)	248 (8.2%)	660 (7.1%)	652 (6.9%)
PE (⏑--⏑)	803 (7.0%)	252 (6.6%)	1184 (6.9%)	159 (5.2%)	624 (6.7%)	757 (8.0%)
(⏓--⏑)	1622 (14.2%)	533 (14.0%)	2457 (14.5%)	407 (13.5%)	1284 (13.8%)	1409 (14.9%)
Pf (-⏑-⏑)	1062 (9.3%)	375 (9.9%)	1687 (9.9%)	258 (8.5%)	881 (9.4%)	1011 (10.7%)
PF (⏑⏑-⏑)	513 (4.5%)	158 (4.1%)	823 (4.8%)	121 (4.0%)	439 (4.7%)	494 (5.2%)
(⏓⏑-⏑)	1575 (13.8%)	533 (14.0%)	2510 (14.8%)	379 (12.6%)	1320 (14.2%)	1505 (15.9%)
Pg (--⏑⏑)	851 (7.4%)	266 (7.0%)	1177 (6.9%)	199 (6.6%)	672 (7.2%)	772 (8.1%)
PG (⏑-⏑⏑)	685 (6.0%)	218 (5.7%)	1065 (6.2%)	179 (5.9%)	528 (5.6%)	616 (6.5%)
(⏓-⏑⏑)	1536 (13.5%)	484 (12.7%)	2242 (13.2%)	378 (12.5%)	1200 (12.9%)	1388 (14.7%)
Ph (-⏑⏑⏑)	1 (0.0%)	0 (0.0%)	2 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)
PH (⏑⏑⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑⏑)	1 (0.0%)	0 (0.0%)	2 (0.0%)	1 (0.0%)	1 (0.0%)	0 (0.0%)
8th (-)	7618 (67.0%)	2484 (65.7%)	11081 (65.4%)	1969 (65.5%)	6051 (65.2%)	6274 (66.6%)
8th (⏑)	3750 (33.0%)	1298 (34.3%)	5860 (34.6%)	1035 (34.5%)	3225 (34.8%)	3143 (33.4%)
Pathyā total	11368 (85.2%)	3782 (83.2%)	16941 (86.0%)	3004 (86.8%)	9276 (85.0%)	9417 (88.4%)

V1a (----)	146 (20.9%)	68 (22.2%)	211 (19.9%)	26 (23.4%)	104 (17.7%)	73 (15.4%)
V1A (⏑---)	130 (18.6%)	39 (12.7%)	184 (17.3%)	20 (18.0%)	103 (17.5%)	79 (16.7%)
(⏓---)	276 (39.5%)	107 (34.9%)	395 (37.2%)	46 (41.4%)	207 (35.2%)	152 (32.2%)
V1b (-⏑--)	177 (25.3%)	77 (25.1%)	306 (28.8%)	28 (25.2%)	154 (26.2%)	153 (32.4%)
V1B (⏑⏑--)	87 (12.4%)	54 (17.6%)	141 (13.3%)	14 (12.6%)	76 (12.9%)	46 (9.7%)
(⏓⏑--)	264 (37.8%)	131 (42.8%)	447 (42.1%)	42 (37.8%)	230 (39.1%)	199 (42.2%)
V1c (--⏑-)	86 (12.3%)	30 (9.8%)	96 (9.0%)	11 (9.9%)	79 (13.4%)	60 (12.7%)
V1C (⏑-⏑-)	71 (10.1%)	37 (12.0%)	122 (11.5%)	12 (10.8%)	70 (11.9%)	60 (12.7%)
(⏓-⏑-)	157 (22.5%)	67 (21.8%)	218 (20.5%)	23 (20.7%)	149 (25.3%)	120 (25.4%)
V1d (-⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1D (⏑⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1e (---⏑)	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)
V1E (⏑--⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓--⏑)	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)
V1f (-⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1F (⏑⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1g (--⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1G (⏑-⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓-⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (-)	659 (94.5%)	291 (95.1%)	1010 (95.3%)	107 (96.4%)	554 (94.4%)	451 (95.8%)
8th (⏑)	38 (5.5%)	15 (4.9%)	50 (4.7%)	4 (3.6%)	33 (5.6%)	20 (4.2%)
Vipulā1 total	697 (5.2%)	306 (6.7%)	1060 (5.3%)	111 (3.2%)	587 (5.3%)	471 (4.4%)

(a') Books i–vi: odd pāda

Comb. Book	i	ii	iii	iv	v	vi
V2a (– – – –)	16 (3.5%)	4 (2.7%)	19 (3.2%)	4 (3.9%)	14 (4.2%)	8 (2.5%)
V2A (⏑ – – –)	15 (3.3%)	5 (3.4%)	11 (1.8%)	2 (1.9%)	18 (5.4%)	7 (2.2%)
(⏓ – – –)	31 (6.9%)	9 (6.2%)	30 (5.0%)	6 (5.9%)	32 (9.7%)	15 (4.7%)
V2b (– ⏑ – –)	19 (4.2%)	5 (3.4%)	7 (1.1%)	1 (0.9%)	4 (1.2%)	8 (2.5%)
V2B (⏑ ⏑ – –)	2 (0.4%)	1 (0.6%)	1 (0.1%)	1 (0.9%)	3 (0.9%)	1 (0.3%)
(⏓ ⏑ – –)	21 (4.6%)	6 (4.1%)	8 (1.3%)	2 (1.9%)	7 (2.1%)	9 (2.8%)
V2c (– – ⏑ –)	191 (42.6%)	70 (48.2%)	254 (43.1%)	51 (50.4%)	148 (45.1%)	140 (44.7%)
V2C (⏑ – ⏑ –)	205 (45.7%)	58 (40.0%)	296 (50.2%)	42 (41.5%)	140 (42.6%)	149 (47.6%)
(⏓ – ⏑ –)	396 (88.3%)	128 (88.2%)	550 (93.3%)	93 (92.0%)	288 (87.8%)	289 (92.3%)
V2d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2e (– – – ⏑)	0 (0.0%)	1 (0.6%)	1 (0.1%)	0 (0.0%)	1 (0.3%)	0 (0.0%)
V2E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	1 (0.6%)	1 (0.1%)	0 (0.0%)	1 (0.3%)	0 (0.0%)
V2f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2F (⏑ ⏑ – ⏑)	0 (0.0%)	1 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	1 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	421 (94.0%)	135 (93.1%)	538 (91.3%)	96 (95.0%)	293 (89.3%)	300 (95.8%)
8th (⏑)	27 (6.0%)	10 (6.9%)	51 (8.7%)	5 (5.0%)	35 (10.7%)	13 (4.2%)
Vipulā2 total	448 (3.3%)	145 (3.1%)	589 (2.9%)	101 (2.9%)	328 (3.0%)	313 (2.9%)

V3a (– – – –)	0 (0.0%)	1 (0.5%)	2 (0.2%)	0 (0.0%)	4 (0.7%)	1 (0.3%)
V3A (⏑ – – –)	1 (0.1%)	0 (0.0%)	2 (0.2%)	0 (0.0%)	2 (0.3%)	1 (0.3%)
(⏓ – – –)	1 (0.1%)	1 (0.5%)	4 (0.4%)	0 (0.0%)	6 (1.1%)	2 (0.6%)
V3b (– ⏑ – –)	3 (0.5%)	0 (0.0%)	3 (0.3%)	1 (0.5%)	1 (0.1%)	3 (1.0%)
V3B (⏑ ⏑ – –)	1 (0.1%)	0 (0.0%)	2 (0.2%)	0 (0.0%)	1 (0.1%)	0 (0.0%)
(⏓ ⏑ – –)	4 (0.6%)	0 (0.0%)	5 (0.5%)	1 (0.5%)	2 (0.3%)	3 (1.0%)
V3c (– – ⏑ –)	225 (38.6%)	83 (43.4%)	386 (45.8%)	104 (52.0%)	236 (45.3%)	133 (44.4%)
V3C (⏑ – ⏑ –)	352 (60.4%)	105 (54.9%)	445 (52.9%)	95 (47.5%)	274 (52.6%)	159 (53.1%)
(⏓ – ⏑ –)	577 (99.1%)	188 (98.4%)	831 (98.8%)	199 (99.5%)	510 (98.0%)	292 (97.6%)
V3d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)
V3D (⏑ ⏑ ⏑ –)	0 (0.0%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)
V3e (– – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	2 (0.6%)
V3F (⏑ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)	2 (0.6%)
V3g (– – ⏑ ⏑)	0 (0.0%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	405 (69.6%)	126 (66.0%)	573 (68.1%)	128 (64.0%)	322 (61.9%)	192 (64.2%)
8th (⏑)	177 (30.4%)	65 (34.0%)	268 (31.9%)	72 (36.0%)	198 (38.1%)	107 (35.8%)
Vipulā3 total	582 (4.3%)	191 (4.2%)	841 (4.2%)	200 (5.7%)	520 (4.7%)	299 (2.8%)

(a') Books i–vi: odd pāda

Comb. Book	i	ii	iii	iv	v	vi
V4a (– – – –)	29 (12.5%)	26 (23.0%)	38 (15.3%)	2 (4.8%)	28 (15.2%)	21 (15.3%)
V4A (⏑ – – –)	25 (10.7%)	12 (10.6%)	32 (12.9%)	5 (12.1%)	27 (14.6%)	25 (18.5%)
(⏓ – – –)	54 (23.2%)	38 (33.6%)	70 (28.3%)	7 (17.0%)	55 (29.8%)	46 (34.0%)
V4b (– ⏑ – –)	21 (9.0%)	11 (9.7%)	40 (16.1%)	4 (9.7%)	15 (8.1%)	14 (10.3%)
V4B (⏑ ⏑ – –)	7 (3.0%)	2 (1.7%)	3 (1.2%)	0 (0.0%)	6 (3.2%)	4 (2.9%)
(⏓ ⏑ – –)	28 (12.0%)	13 (11.5%)	43 (17.4%)	4 (9.7%)	21 (11.4%)	18 (13.3%)
V4c (– – ⏑ –)	68 (29.3%)	34 (30.0%)	70 (28.3%)	17 (41.4%)	52 (28.2%)	34 (25.1%)
V4C (⏑ – ⏑ –)	81 (34.9%)	27 (23.8%)	62 (25.1%)	13 (31.7%)	56 (30.4%)	37 (27.4%)
(⏓ – ⏑ –)	149 (64.2%)	61 (53.9%)	132 (53.4%)	30 (73.1%)	108 (58.6%)	71 (52.5%)
V4d (– ⏑ ⏑ –)	0 (0.0%)	1 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4D (⏑ ⏑ ⏑ –)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	1 (0.4%)	1 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4e (– – – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4F (⏑ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	175 (75.4%)	91 (80.5%)	174 (70.4%)	34 (82.9%)	136 (73.9%)	99 (73.3%)
8th (⏑)	57 (24.6%)	22 (19.5%)	73 (29.6%)	7 (17.1%)	48 (26.1%)	36 (26.7%)
Vipulā4 total	232 (1.7%)	113 (2.4%)	247 (1.2%)	41 (1.1%)	184 (1.6%)	135 (1.2%)
mni [⏑ ⏑ – ⏓]	3 (0.0%)	3 (0.0%)	1 (0.0%)	0 (0.0%)	5 (0.0%)	4 (0.0%)
Mji [– – ⏑ ⏓]	1 (0.0%)	1 (0.0%)	1 (0.0%)	0 (0.0%)	3 (0.0%)	1 (0.0%)
Dpc [⏑ – ⏑ ⏓]	3 (0.0%)	1 (0.0%)	1 (0.0%)	0 (0.0%)	7 (0.0%)	2 (0.0%)
Śloka total	13334	4542	19681	3457	10910	10642

(a") Books i–vi: even pāda

a (– – – –)	1784 (13.3%)	564 (12.4%)	2518 (12.7%)	483 (13.9%)	1497 (13.7%)	1340 (12.5%)
A (⏑ – – –)	1459 (10.9%)	487 (10.7%)	2099 (10.6%)	402 (11.6%)	1172 (10.7%)	1029 (9.6%)
(⏓ – – –)	3243 (24.3%)	1051 (23.1%)	4617 (23.4%)	885 (25.6%)	2669 (24.4%)	2369 (22.2%)
b (– ⏑ – –)	2118 (15.8%)	814 (17.9%)	3260 (16.5%)	589 (17.0%)	1806 (16.5%)	1989 (18.6%)
B (⏑ ⏑ – –)	1284 (9.6%)	457 (10.0%)	1921 (9.7%)	329 (9.5%)	1094 (10.0%)	1035 (9.7%)
(⏓ ⏑ – –)	3402 (25.5%)	1271 (27.9%)	5181 (26.3%)	918 (26.5%)	2900 (26.5%)	3024 (28.4%)
c (– – ⏑ –)	0 (0.0%)	1 (0.0%)	2 (0.0%)	0 (0.0%)	1 (0.0%)	2 (0.0%)
C (⏑ – ⏑ –)	0 (0.0%)	0 (0.0%)	1 (0.0%)	1 (0.0%)	2 (0.0%)	1 (0.0%)
(⏓ – ⏑ –)	0 (0.0%)	1 (0.0%)	3 (0.0%)	1 (0.0%)	3 (0.0%)	3 (0.0%)
d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
e (– – – ⏑)	1410 (10.5%)	468 (10.3%)	1976 (10.0%)	378 (10.9%)	1141 (10.4%)	1055 (9.9%)
E (⏑ – – ⏑)	1143 (8.5%)	359 (7.9%)	1664 (8.4%)	265 (7.6%)	888 (8.1%)	857 (8.0%)
(⏓ – – ⏑)	2553 (19.1%)	827 (18.2%)	3640 (18.4%)	643 (18.5%)	2029 (18.5%)	1912 (17.9%)
f (– ⏑ – ⏑)	1400 (10.4%)	474 (10.4%)	2221 (11.2%)	343 (9.9%)	1143 (10.4%)	1227 (11.5%)
F (⏑ ⏑ – ⏑)	735 (5.5%)	243 (5.3%)	1112 (5.6%)	167 (4.8%)	611 (5.6%)	571 (5.3%)
(⏓ ⏑ – ⏑)	2135 (16.0%)	717 (15.7%)	3333 (16.9%)	510 (14.7%)	1754 (16.0%)	1798 (16.8%)
g (– – ⏑ ⏑)	1138 (8.5%)	377 (8.3%)	1641 (8.3%)	292 (8.4%)	956 (8.7%)	955 (8.9%)
G (⏑ – ⏑ ⏑)	859 (6.4%)	298 (6.5%)	1265 (6.4%)	208 (6.0%)	599 (5.4%)	581 (5.4%)
(⏓ – ⏑ ⏑)	1997 (14.9%)	675 (14.8%)	2906 (14.7%)	500 (14.4%)	1555 (14.2%)	1536 (14.4%)
h (– ⏑ ⏑ ⏑)	4 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
H (⏑ ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ ⏑)	4 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)

(b') Books vii–xii: odd pāda

Comb. \ Book	vii	viii	ix	x	xi	xii
Pa (----)	1456 (10.2%)	599 (10.3%)	668 (11.4%)	163 (12.0%)	140 (10.7%)	3313 (15.3%)
PA (⏑---)	1480 (10.4%)	591 (10.2%)	570 (9.7%)	136 (10.0%)	101 (7.7%)	2250 (10.4%)
(⏓---)	2936 (20.6%)	1190 (20.5%)	1238 (21.1%)	299 (22.0%)	241 (18.5%)	5563 (25.8%)
Pb (-⏑--)	2297 (16.1%)	982 (16.9%)	895 (15.3%)	199 (14.7%)	224 (17.2%)	3198 (14.8%)
PB (⏑⏑--)	1271 (8.9%)	483 (8.3%)	535 (9.1%)	140 (10.3%)	116 (8.9%)	1829 (8.5%)
(⏓⏑--)	3568 (25.1%)	1465 (25.3%)	1430 (24.4%)	339 (25.0%)	340 (26.1%)	5027 (23.3%)
Pc (--⏑-)	755 (5.3%)	360 (6.2%)	304 (5.2%)	48 (3.5%)	56 (4.3%)	1167 (5.4%)
PC (⏑-⏑-)	851 (5.9%)	274 (4.7%)	342 (5.8%)	66 (4.8%)	66 (5.0%)	1126 (5.2%)
(⏓-⏑-)	1606 (11.3%)	634 (10.9%)	646 (11.0%)	114 (8.4%)	122 (9.3%)	2293 (10.6%)
Pd (-⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	1 (0.0%)
PD (⏑⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.1%)	0 (0.0%)	1 (0.0%)
Pe (---⏑)	1030 (7.2%)	441 (7.6%)	442 (7.5%)	103 (7.6%)	96 (7.3%)	1767 (8.2%)
PE (⏑--⏑)	963 (6.7%)	425 (7.3%)	411 (7.0%)	114 (8.4%)	83 (6.3%)	1329 (6.1%)
(⏓--⏑)	1993 (14.0%)	866 (14.9%)	853 (14.5%)	217 (16.0%)	179 (13.7%)	3096 (14.3%)
Pf (-⏑-⏑)	1445 (10.1%)	573 (9.9%)	542 (9.2%)	140 (10.3%)	143 (10.9%)	1922 (8.9%)
PF (⏑⏑-⏑)	629 (4.4%)	300 (5.1%)	299 (5.1%)	59 (4.3%)	63 (4.8%)	959 (4.4%)
(⏓⏑-⏑)	2074 (14.6%)	873 (15.1%)	841 (14.3%)	199 (14.7%)	206 (15.8%)	2881 (13.3%)
Pg (--⏑⏑)	1083 (7.6%)	360 (6.2%)	481 (8.2%)	95 (7.0%)	123 (9.4%)	1460 (6.7%)
PG (⏑-⏑⏑)	940 (6.6%)	392 (6.7%)	357 (6.1%)	88 (6.5%)	91 (6.9%)	1191 (5.5%)
(⏓-⏑⏑)	2023 (14.2%)	752 (13.0%)	838 (14.3%)	183 (13.5%)	214 (16.4%)	2651 (12.3%)
Ph (-⏑⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.0%)
PH (⏑⏑⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.0%)
8th (–)	10264 (72.3%)	4198 (72.6%)	3985 (68.2%)	937 (69.3%)	898 (69.0%)	13913 (64.7%)
8th (⏑)	3936 (27.7%)	1582 (27.3%)	1861 (31.8%)	416 (30.7%)	404 (31.0%)	7601 (35.3%)
Pathyā total	14200 (87.7%)	5780 (85.6%)	5846 (87.3%)	1353 (87.0%)	1302 (88.0%)	21514 (86.0%)

V1a (----)	138 (20.0%)	61 (17.1%)	84 (23.2%)	20 (25.0%)	10 (14.0%)	320 (23.8%)
V1A (⏑---)	102 (14.8%)	52 (14.6%)	64 (17.6%)	12 (15.0%)	18 (25.3%)	259 (19.2%)
(⏓---)	240 (34.8%)	113 (31.7%)	148 (40.8%)	32 (40.0%)	28 (39.4%)	579 (43.1%)
V1b (-⏑--)	225 (32.7%)	111 (31.1%)	91 (25.1%)	21 (26.2%)	17 (23.9%)	328 (24.4%)
V1B (⏑⏑--)	72 (10.4%)	40 (11.2%)	34 (9.3%)	9 (11.2%)	8 (11.2%)	141 (10.5%)
(⏓⏑--)	297 (43.1%)	151 (42.4%)	125 (34.5%)	30 (37.5%)	25 (35.2%)	469 (34.9%)
V1c (--⏑-)	65 (9.4%)	49 (13.7%)	39 (10.7%)	10 (12.5%)	8 (11.2%)	152 (11.3%)
V1C (⏑-⏑-)	86 (12.5%)	43 (12.0%)	50 (13.8%)	8 (10.0%)	10 (14.0%)	142 (10.5%)
(⏓-⏑-)	151 (21.9%)	92 (25.8%)	89 (24.5%)	18 (22.5%)	18 (25.3%)	294 (21.9%)
V1d (-⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1D (⏑⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑⏑-)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1e (---⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1E (⏑--⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓--⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1f (-⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1F (⏑⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓⏑-⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1g (--⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1G (⏑-⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓-⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	671 (97.5%)	346 (97.2%)	350 (96.7%)	78 (97.5%)	68 (95.8%)	1233 (91.9%)
8th (⏑)	17 (2.5%)	10 (2.8%)	12 (3.3%)	2 (2.5%)	3 (4.2%)	109 (8.1%)
Vipulā1 total	688 (4.2%)	356 (5.2%)	362 (5.4%)	80 (5.1%)	71 (4.8%)	1342 (5.3%)

(b') Books vii–xii: odd pāda

Comb. \ Book	vii	viii	ix	x	xi	xii
V2a (– – – –)	6 (1.1%)	3 (1.1%)	5 (2.2%)	1 (2.4%)	0 (0.0%)	36 (4.5%)
V2A (⏑ – – –)	3 (0.5%)	3 (1.1%)	4 (1.8%)	0 (0.0%)	0 (0.0%)	31 (3.9%)
(⏓ – – –)	9 (1.6%)	6 (2.2%)	9 (4.0%)	1 (2.4%)	0 (0.0%)	67 (8.5%)
V2b (– ⏑ – –)	6 (1.1%)	1 (0.3%)	5 (2.2%)	1 (2.4%)	0 (0.0%)	22 (2.8%)
V2B (⏑ ⏑ – –)	3 (0.5%)	1 (0.3%)	0 (0.0%)	1 (2.4%)	0 (0.0%)	9 (1.1%)
(⏓ ⏑ – –)	9 (1.6%)	2 (0.7%)	5 (2.2%)	2 (4.8%)	0 (0.0%)	31 (3.9%)
V2c (– – ⏑ –)	232 (43.1%)	129 (47.6%)	109 (49.5%)	14 (34.1%)	18 (43.9%)	346 (44.1%)
V2C (⏑ – ⏑ –)	288 (53.5%)	134 (49.4%)	96 (43.6%)	23 (56.0%)	23 (56.0%)	338 (43.1%)
(⏓ – ⏑ –)	520 (96.6%)	263 (97.0%)	205 (93.1%)	37 (90.2%)	41 (100%)	684 (87.3%)
V2d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
V2e (– – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2F (⏑ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)
V2G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (2.4%)	0 (0.0%)	0 (0.0%)
8th (–)	509 (94.6%)	252 (93.0%)	209 (95.0%)	41 (100%)	39 (95.1%)	682 (87.1%)
8th (⏑)	29 (5.4%)	19 (7.0%)	11 (5.0%)	0 (0.0%)	2 (4.9%)	101 (12.9%)
Vipulā2 total	538 (3.3%)	271 (4.0%)	220 (3.2%)	41 (2.6%)	41 (2.7%)	783 (3.1%)

V3a (– – – –)	0 (0.0%)	2 (0.8%)	5 (2.6%)	0 (0.0%)	0 (0.0%)	14 (1.5%)
V3A (⏑ – – –)	2 (0.3%)	2 (0.8%)	3 (1.5%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
(⏓ – – –)	2 (0.3%)	4 (1.6%)	8 (4.1%)	0 (0.0%)	0 (0.0%)	15 (1.6%)
V3b (– ⏑ – –)	0 (0.0%)	3 (1.2%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	5 (0.5%)
V3B (⏑ ⏑ – –)	1 (0.1%)	1 (0.4%)	1 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – –)	1 (0.1%)	4 (1.6%)	2 (1.0%)	0 (0.0%)	0 (0.0%)	5 (0.5%)
V3c (– – ⏑ –)	248 (45.1%)	106 (43.0%)	71 (37.1%)	35 (50.0%)	25 (40.3%)	439 (47.2%)
V3C (⏑ – ⏑ –)	293 (53.3%)	130 (52.8%)	110 (57.5%)	35 (50.0%)	36 (58.0%)	459 (49.3%)
(⏓ – ⏑ –)	541 (98.5%)	236 (95.9%)	181 (94.7%)	70 (100%)	61 (98.3%)	898 (96.5%)
V3d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3e (– – – ⏑)	2 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (1.6%)	1 (0.1%)
V3E (⏑ – – ⏑)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
(⏓ – – ⏑)	2 (0.3%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	1 (1.6%)	2 (0.2%)
V3f (– ⏑ – ⏑)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.3%)
V3F (⏑ ⏑ – ⏑)	1 (0.1%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4 (0.4%)
(⏓ ⏑ – ⏑)	2 (0.3%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	7 (0.7%)
V3g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.3%)
V3G (⏑ – ⏑ ⏑)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.3%)
8th (–)	359 (65.4%)	182 (74.0%)	124 (64.9%)	50 (71.4%)	51 (82.3%)	562 (60.4%)
8th (–)	190 (34.6%)	64 (26.0%)	67 (35.1%)	20 (28.6%)	11 (17.7%)	368 (39.6%)
Vipulā3 total	549 (3.3%)	246 (3.6%)	191 (2.8%)	70 (4.5%)	62 (4.1%)	930 (3.7%)

(b') Books vii–xii: odd pāda

Comb. \ Book	vii	viii	ix	x	xi	xii
V4a (– – – –)	25 (12.6%)	11 (11.8%)	8 (10.5%)	2 (20.0%)	0 (0.0%)	83 (26.2%)
V4A (⏑ – – –)	20 (10.1%)	7 (7.5%)	7 (9.2%)	2 (20.0%)	0 (0.0%)	33 (10.4%)
(⏓ – – –)	45 (22.7%)	18 (19.3%)	15 (19.7%)	4 (40.0%)	0 (0.0%)	116 (36.7%)
V4b (– ⏑ – –)	12 (6.0%)	11 (11.8%)	12 (15.7%)	1 (10.0%)	0 (0.0%)	28 (8.8%)
V4B (⏑ ⏑ – –)	2 (1.0%)	4 (4.3%)	4 (5.2%)	0 (0.0%)	0 (0.0%)	1 (0.3%)
(⏓ ⏑ – –)	14 (7.0%)	15 (16.1%)	16 (21.0%)	1 (10.0%)	0 (0.0%)	29 (9.1%)
V4c (– – ⏑ –)	62 (31.3%)	28 (30.1%)	21 (27.6%)	2 (20.0%)	1 (33.3%)	74 (23.4%)
V4C (⏑ – ⏑ –)	77 (38.8%)	32 (34.4%)	23 (30.2%)	3 (30.0%)	2 (66.6%)	97 (30.6%)
(⏓ – ⏑ –)	139 (70.2%)	60 (64.5%)	44 (57.8%)	5 (50.0%)	3 (100%)	171 (54.1%)
V4d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	1 (1.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	1 (1.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4e (– – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4F (⏑ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	174 (87.9%)	77 (82.8%)	65 (85.5%)	7 (70.0%)	2 (66.7%)	225 (71.2%)
8th (–)	24 (12.1%)	16 (17.2%)	11 (14.5%)	3 (30.0%)	1 (33.3%)	91 (28.8%)
Vipulā4 total	198 (1.2%)	93 (1.3%)	76 (1.1%)	10 (0.6%)	3 (0.2%)	316 (1.2%)
mni [⏑ ⏑ – ⏓]	4 (0.0%)	4 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	14 (0.0%)
Mji [– – ⏑ ⏓]	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	1 (0.0%)
Dpc [⏑ – ⏑ ⏓]	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	94 (0.3%)
Śloka total	16178	6750	6696	1555	1479	24994

(b") Books vii–xii: even pāda

a (– – – –)	2227 (13.7%)	952 (14.1%)	864 (12.9%)	233 (14.9%)	169 (11.4%)	4231 (16.9%)
A (⏑ – – –)	1606 (9.9%)	720 (10.6%)	727 (10.8%)	139 (8.9%)	147 (9.9%)	3174 (12.6%)
(⏓ – – –)	3833 (23.6%)	1672 (24.7%)	1591 (23.7%)	372 (23.9%)	316 (21.3%)	7405 (29.6%)
b (– ⏑ – –)	2945 (18.2%)	1357 (20.1%)	1231 (18.3%)	251 (16.1%)	253 (17.1%)	3767 (15.0%)
B (⏑ ⏑ – –)	1627 (10.0%)	629 (9.3%)	710 (10.6%)	169 (10.8%)	176 (11.8%)	2292 (9.1%)
(⏓ ⏑ – –)	4572 (28.2%)	1986 (29.4%)	1941 (28.9%)	420 (27.0%)	429 (29.0%)	6059 (24.2%)
c (– – ⏑ –)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4 (0.0%)
C (⏑ – ⏑ –)	6 (0.0%)	1 (0.0%)	2 (0.0%)	0 (0.0%)	0 (0.0%)	82 (0.3%)
(⏓ – ⏑ –)	7 (0.0%)	1 (0.0%)	2 (0.0%)	0 (0.0%)	0 (0.0%)	86 (0.3%)
d (– ⏑ ⏑ –)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
D (⏑ ⏑ ⏑ –)	1 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	2 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
e (– – – ⏑)	1564 (9.6%)	678 (10.0%)	664 (9.9%)	161 (10.3%)	162 (10.9%)	2685 (10.7%)
E (⏑ – – ⏑)	1247 (7.7%)	523 (7.7%)	554 (8.2%)	130 (8.3%)	120 (8.1%)	1896 (7.5%)
(⏓ – – ⏑)	2811 (17.3%)	1201 (17.7%)	1218 (18.1%)	291 (18.7%)	282 (19.0%)	4581 (18.3%)
f (– ⏑ – ⏑)	1864 (11.5%)	745 (11.0%)	660 (9.8%)	167 (10.7%)	139 (9.3%)	2335 (9.3%)
F (⏑ ⏑ – ⏑)	887 (5.4%)	334 (4.9%)	415 (6.1%)	84 (5.4%)	76 (5.1%)	1020 (4.0%)
(⏓ ⏑ – ⏑)	2751 (17.0%)	1079 (15.9%)	1075 (16.0%)	251 (16.1%)	215 (14.5%)	3355 (13.4%)
g (– – ⏑ ⏑)	1304 (8.0%)	489 (7.2%)	532 (7.9%)	117 (7.5%)	156 (10.5%)	2192 (8.7%)
G (⏑ – ⏑ ⏑)	896 (5.5%)	321 (4.7%)	337 (5.0%)	104 (6.6%)	81 (5.4%)	1313 (5.2%)
(⏓ – ⏑ ⏑)	2200 (13.5%)	810 (12.0%)	869 (12.9%)	221 (14.2%)	237 (16.0%)	3505 (14.0%)
h (– ⏑ ⏑ ⏑)	2 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	2 (0.0%)
H (⏑ ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.0%)
(⏓ ⏑ ⏑ ⏑)	2 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (0.0%)

(c') Books xiii–xviii, BhG, Nala: odd pāda

Comb. \ Book	xiii	xiv	xv	xvi–xviii	BhG	Nala
Pa (– – – –)	1519 (13.9%)	669 (14.2%)	219 (12.1%)	120 (12.5%)	187 (16.4%)	143 (9.3%)
PA (⏑ – – –)	1115 (10.2%)	511 (10.9%)	184 (10.1%)	89 (9.2%)	120 (10.5%)	128 (8.3%)
(⏓ – – –)	2634 (24.2%)	1180 (25.1%)	403 (22.3%)	209 (21.8%)	307 (26.9%)	271 (17.6%)
Pb (– ⏑ – –)	1713 (15.7%)	648 (13.8%)	224 (12.3%)	132 (13.7%)	157 (13.7%)	243 (15.8%)
PB (⏑ ⏑ – –)	968 (8.9%)	473 (10.0%)	212 (11.7%)	97 (10.1%)	88 (7.7%)	199 (12.9%)
(⏓ ⏑ – –)	2681 (24.7%)	1121 (23.9%)	436 (24.1%)	229 (23.9%)	245 (21.4%)	442 (28.7%)
Pc (– – ⏑ –)	570 (5.2%)	258 (5.5%)	95 (5.2%)	55 (5.7%)	65 (5.7%)	76 (4.9%)
PC (⏑ – ⏑ –)	591 (5.4%)	294 (6.2%)	121 (6.6%)	69 (7.2%)	52 (4.5%)	105 (6.8%)
(⏓ – ⏑ –)	1161 (10.6%)	552 (11.7%)	216 (11.9%)	124 (12.9%)	117 (10.2%)	181 (11.7%)
Pd (– ⏑ ⏑ –)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
PD (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Pe (– – – ⏑)	890 (8.1%)	348 (7.4%)	166 (9.1%)	97 (10.1%)	119 (10.4%)	106 (6.9%)
PE (⏑ – – ⏑)	745 (6.8%)	299 (6.3%)	115 (6.3%)	79 (8.2%)	59 (5.1%)	113 (7.3%)
(⏓ – – ⏑)	1635 (15.0%)	647 (13.8%)	281 (15.5%)	176 (18.3%)	178 (15.6%)	219 (14.2%)
Pf (– ⏑ – ⏑)	994 (9.1%)	400 (8.5%)	152 (8.4%)	73 (7.6%)	102 (8.9%)	147 (9.5%)
PF (⏑ ⏑ – ⏑)	493 (4.5%)	191 (4.0%)	86 (4.7%)	37 (3.8%)	71 (6.2%)	79 (5.1%)
(⏓ ⏑ – ⏑)	1487 (13.7%)	591 (12.6%)	238 (13.1%)	110 (11.4%)	173 (15.1%)	226 (14.7%)
Pg (– – ⏑ ⏑)	676 (6.2%)	361 (7.7%)	123 (6.8%)	59 (6.1%)	79 (6.9%)	92 (5.9%)
PG (⏑ – ⏑ ⏑)	578 (5.3%)	236 (5.0%)	110 (6.0%)	50 (5.2%)	41 (3.5%)	104 (6.7%)
(⏓ – ⏑ ⏑)	1254 (11.5%)	597 (12.7%)	233 (12.8%)	109 (11.3%)	120 (10.5%)	196 (12.7%)
Ph (– ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
PH (⏑ ⏑ ⏑ ⏑)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ ⏑)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	7013 (64.6%)	2976 (63.5%)	1203 (66.6%)	635 (66.4%)	691 (60.6%)	1059 (69.0%)
8th (⏑)	3841 (35.4%)	1712 (36.5%)	604 (33.4%)	322 (33.6%)	449 (39.4%)	476 (31.0%)
Pathyā total	10854 (85.4%)	4688 (86.9%)	1807 (85.5%)	957 (88.2%)	1140 (88.4%)	1535 (82.9%)

V1a (– – – –)	168 (22.1%)	64 (22.1%)	22 (16.6%)	10 (22.7%)	11 (18.3%)	31 (20.0%)
V1A (⏑ – – –)	129 (16.9%)	46 (15.9%)	21 (15.9%)	6 (13.6%)	10 (16.6%)	19 (12.2%)
(⏓ – – –)	297 (39.1%)	110 (38.0%)	43 (32.5%)	16 (36.3%)	21 (35.0%)	50 (32.2%)
V1b (– ⏑ – –)	201 (26.4%)	64 (22.1%)	31 (23.4%)	12 (27.2%)	13 (21.6%)	38 (24.5%)
V1B (⏑ ⏑ – –)	103 (13.5%)	42 (14.5%)	19 (14.3%)	6 (13.6%)	8 (13.3%)	30 (19.3%)
(⏓ ⏑ – –)	304 (40.0%)	106 (36.6%)	50 (37.8%)	18 (40.9%)	21 (35.0%)	68 (43.8%)
V1c (– – ⏑ –)	84 (11.0%)	38 (13.1%)	14 (10.6%)	3 (6.8%)	8 (13.3%)	18 (11.6%)
V1C (⏑ – ⏑ –)	74 (9.7%)	34 (11.7%)	25 (18.9%)	7 (15.9%)	10 (16.6%)	19 (12.2%)
(⏓ – ⏑ –)	158 (20.8%)	72 (24.9%)	39 (29.5%)	10 (22.7%)	18 (30.0%)	37 (23.8%)
V1d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1e (– – – ⏑)	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1F (⏑ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V1G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	711 (93.7%)	278 (96.2%)	125 (94.7%)	42 (95.5%)	51 (85.0%)	149 (96.1%)
8th (⏑)	48 (6.3%)	11 (3.8%)	7 (5.3%)	2 (4.5%)	9 (15.0%)	6 (3.9%)
Vipulā1 total	759 (5.9%)	289 (5.3%)	132 (6.2%)	44 (4.0%)	60 (4.6%)	155 (8.3%)

(c') Books xiii–xviii, BhG, Nala: odd pāda

Comb. \ Book	xiii	xiv	xv	xvi–xviii	BhG	Nala
V2a (– – – –)	22 (5.2%)	2 (1.4%)	0 (0.0%)	0 (0.0%)	3 (8.5%)	0 (0.0%)
V2A (⏑– – –)	7 (1.6%)	3 (2.1%)	1 (1.4%)	0 (0.0%)	2 (5.7%)	1 (1.6%)
(×– – –)	29 (6.9%)	5 (3.6%)	1 (1.4%)	0 (0.0%)	5 (14.2%)	1 (1.6%)
V2b (–⏑– –)	10 (2.3%)	4 (2.8%)	0 (0.0%)	0 (0.0%)	2 (5.7%)	1 (1.6%)
V2B (⏑⏑– –)	1 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×⏑– –)	11 (2.6%)	4 (2.8%)	0 (0.0%)	0 (0.0%)	2 (5.7%)	1 (1.6%)
V2c (– –⏑–)	191 (45.5%)	53 (38.4%)	32 (45.0%)	12 (46.1%)	14 (40.0%)	30 (50.0%)
V2C (⏑–⏑–)	187 (44.6%)	75 (54.3%)	38 (53.5%)	14 (53.8%)	14 (40.0%)	28 (46.6%)
(×–⏑–)	378 (90.2%)	128 (92.7%)	70 (98.5%)	26 (100%)	28 (80.0%)	58 (96.6%)
V2d (–⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2D (⏑⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2e (– – –⏑)	0 (0.0%)	1 (0.7%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2E (⏑– –⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×– –⏑)	0 (0.0%)	1 (0.7%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2f (–⏑–⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2F (⏑⏑–⏑)	1 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×⏑–⏑)	1 (0.2%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2g (– –⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V2G (⏑–⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×–⏑⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	366 (87.4%)	125 (90.6%)	68 (95.8%)	25 (96.2%)	31 (88.6%)	57 (95.0%)
8th (⏑)	53 (12.6%)	13 (9.4%)	3 (4.2%)	1 (3.8%)	4 (11.4%)	3 (5.0%)
Vipulā2 total	419 (3.2%)	138 (2.5%)	71 (3.3%)	26 (2.3%)	35 (2.7%)	60 (3.2%)

V3a (– – – –)	3 (0.6%)	3 (1.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3A (⏑– – –)	3 (0.6%)	0 (0.0%)	0 (0.0%)	1 (2.2%)	0 (0.0%)	0 (0.0%)
(×– – –)	6 (1.2%)	3 (1.3%)	0 (0.0%)	1 (2.2%)	0 (0.0%)	0 (0.0%)
V3b (–⏑– –)	4 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3B (⏑⏑– –)	1 (0.2%)	1 (0.4%)	0 (0.0%)	1 (2.2%)	0 (0.0%)	0 (0.0%)
(×⏑– –)	5 (1.0%)	1 (0.4%)	0 (0.0%)	1 (2.2%)	0 (0.0%)	0 (0.0%)
V3c (– –⏑–)	241 (49.1%)	106 (47.1%)	35 (38.4%)	13 (28.8%)	14 (56.0%)	39 (46.4%)
V3C (⏑–⏑–)	236 (48.1%)	110 (48.8%)	56 (61.5%)	30 (66.6%)	11 (44.0%)	45 (53.5%)
(×–⏑–)	477 (97.3%)	216 (96.0%)	91 (100%)	43 (95.5%)	25 (100%)	84 (100%)
V3d (–⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3D (⏑⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×⏑⏑–)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3e (– – –⏑)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3E (⏑– –⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×– –⏑)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3f (–⏑–⏑)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3F (⏑⏑–⏑)	1 (0.2%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×⏑–⏑)	1 (0.2%)	2 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3g (– –⏑⏑)	1 (0.2%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V3G (⏑–⏑⏑)	0 (0.0%)	1 (0.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(×–⏑⏑)	1 (0.2%)	2 (0.8%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	318 (64.9%)	151 (67.1%)	58 (63.7%)	30 (66.7%)	15 (60.0%)	58 (69.0%)
8th (⏑)	172 (35.1%)	74 (32.9%)	33 (36.3%)	15 (33.3%)	10 (40.0%)	26 (31.0%)
Vipulā3 total	490 (3.8%)	225 (4.1%)	91 (4.3%)	45 (4.1%)	25 (1.9%)	84 (4.5%)

(c') Books xiii–xviii, BhG, Nala: odd pāda

Comb. \ Book	xiii	xiv	xv	xvi–xviii	BhG	Nala
V4a (– – – –)	40 (22.4%)	8 (16.6%)	0 (0.0%)	2 (16.6%)	8 (28.5%)	0 (0.0%)
V4A (⏑ – – –)	17 (9.5%)	4 (8.3%)	1 (10.0%)	1 (8.3%)	4 (14.2%)	0 (0.0%)
(⏓ – – –)	57 (32.0%)	12 (25.0%)	1 (10.0%)	3 (25.0%)	12 (42.8%)	0 (0.0%)
V4b (– ⏑ – –)	27 (15.1%)	3 (6.2%)	1 (10.0%)	2 (16.6%)	6 (21.4%)	2 (12.5%)
V4B (⏑ ⏑ – –)	3 (1.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (3.5%)	0 (0.0%)
(⏓ ⏑ – –)	30 (16.8%)	3 (6.2%)	1 (10.0%)	2 (16.6%)	7 (25.0%)	2 (12.5%)
V4c (– – ⏑ –)	34 (19.1%)	14 (29.1%)	5 (50.0%)	4 (33.3%)	3 (10.7%)	9 (56.2%)
V4C (⏑ – ⏑ –)	57 (32.0%)	18 (37.5%)	3 (30.0%)	3 (25.0%)	6 (21.4%)	5 (31.2%)
(⏓ – ⏑ –)	91 (51.1%)	32 (66.6%)	8 (80.0%)	7 (58.3%)	9 (32.1%)	14 (87.5%)
V4d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4e (– – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4E (⏑ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4f (– ⏑ – ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4F (⏑ ⏑ – ⏑)	0 (0.0%)	1 (2.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ – ⏑)	0 (0.0%)	1 (2.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4g (– – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
V4G (⏑ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
8th (–)	131 (73.6%)	37 (77.1%)	7 (70.0%)	8 (66.7%)	22 (78.6%)	13 (81.3%)
8th (⏑)	47 (26.4%)	11 (22.9%)	3 (30.0%)	4 (33.3%)	6 (21.4%)	3 (18.8%)
Vipulā4 total	178 (1.4%)	48 (0.8%)	10 (0.4%)	12 (1.1%)	28 (2.1%)	16 (0.8%)
mni [⏑ – ⏓]	7 (0.0%)	2 (0.0%)	1 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)
Mji [– – ⏑ ⏓]	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Dpc [⏑ – ⏑ ⏓]	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Śloka total	12708	5390	2112	1084	1289	1850

(c") Books xiii–xviii, BhG, Nala: even pāda

a (– – – –)	2005 (15.7%)	742 (13.7%)	291 (13.7%)	133 (12.2%)	238 (18.4%)	199 (10.7%)
A (⏑ – – –)	1538 (12.1%)	680 (12.6%)	201 (9.5%)	107 (9.8%)	132 (10.2%)	189 (10.2%)
(⏓ – – –)	3543 (27.8%)	1422 (26.3%)	492 (23.2%)	240 (22.1%)	370 (28.7%)	388 (20.9%)
b (– ⏑ – –)	2188 (17.2%)	872 (16.1%)	258 (12.2%)	190 (17.5%)	188 (14.5%)	249 (13.4%)
B (⏑ ⏑ – –)	1205 (9.4%)	610 (11.3%)	295 (13.9%)	125 (11.5%)	113 (8.7%)	252 (13.6%)
(⏓ ⏑ – –)	3393 (26.6%)	1482 (27.4%)	553 (26.1%)	315 (29.0%)	301 (23.3%)	501 (27.0%)
c (– – ⏑ –)	2 (0.0%)	0 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
C (⏑ – ⏑ –)	2 (0.0%)	2 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ – ⏑ –)	4 (0.0%)	2 (0.0%)	1 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
d (– ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
D (⏑ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ –)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
e (– – – ⏑)	1233 (9.7%)	520 (9.6%)	247 (11.6%)	109 (10.0%)	158 (12.2%)	185 (10.0%)
E (⏑ – – ⏑)	1021 (8.0%)	442 (8.2%)	167 (7.9%)	82 (7.5%)	102 (7.9%)	161 (8.7%)
(⏓ – – ⏑)	2254 (17.7%)	962 (17.8%)	414 (19.6%)	191 (17.6%)	260 (20.1%)	346 (18.7%)
f (– ⏑ – ⏑)	1196 (9.4%)	478 (8.8%)	170 (8.0%)	116 (10.7%)	117 (9.0%)	208 (11.2%)
F (⏑ ⏑ – ⏑)	613 (4.8%)	260 (4.8%)	152 (7.1%)	59 (5.4%)	59 (4.5%)	135 (7.2%)
(⏓ ⏑ – ⏑)	1809 (14.2%)	738 (13.6%)	322 (15.2%)	175 (16.1%)	176 (13.6%)	343 (18.5%)
g (– – ⏑ ⏑)	1056 (8.3%)	419 (7.7%)	203 (9.6%)	112 (10.3%)	120 (9.3%)	139 (7.5%)
G (⏑ – ⏑ ⏑)	649 (5.1%)	365 (6.7%)	127 (6.0%)	51 (4.7%)	62 (4.8%)	133 (7.1%)
(⏓ – ⏑ ⏑)	1705 (13.4%)	784 (14.5%)	330 (15.6%)	163 (15.0%)	182 (14.1%)	272 (14.7%)
h (– ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
H (⏑ ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
(⏓ ⏑ ⏑ ⏑)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)

§2 Hypermetricism

There are two hundred and eighty-one hypermetric Śloka-pādas in the Mahābhārata. They are divided into two groups according to the type of hypermetricism: (1) the pādas with initial resolution and (2) the rest due to the other reasons. First, let us look at the group of initial resolution, which occupies the majority of hypermetric pādas in epic Śloka (252).

(1) Initial resolution

Interestingly, the overwhelming majority of this group (250 in total) have the opening ⏑⏑–⏑–, which corresponds to the first seven syllables of the line. That these seven syllables form a pāda with initial resolution is attested by the fact that the regular (eight-syllabic) odd pāda of epic Śloka, as shown in Section 1, does not allow the opening ⏑⏑–⏑ before a long syllable.[3]

The other cases of initial resolution are limited to the following two patterns: i.155.35a *avaliptaṃ me mukhaṃ brahman* (⏑⏑–––⏑–––) and xii.335.26c *sahasā jagṛhatur vedān* (⏑⏑–⏑⏑⏑–––). I have added the beginning word(s) of the pāda in parentheses to show the lexical environment in which initial resolution occurs.

i.1.8a (janamejayasya), 1.18a (janamejayasya), 1.57a (janamejayena), 2.49a (abhimanyunā), 3.182c (janamejayaḥ), 6.6c (anuvartatī),

3 This rule is ignored only in ten lines — ii.8.11a *bharatas tathā surathaḥ*, iii.245.7a *avaśiṣṭam alpakālaṃ*, viii.62.2a *kavacī niṣaṅgī pāśī*, xii.202.14e *śamayiṣyati śrutvā te*, 298.10c *atha sapta tu vyaktāni*, 306.21a *daśa pañca ca prāptāni*, 336.54a *harir eva hi kṣetrajño*, xiii.17.42c *aśanī śataghnī khaḍgī*, 123.5c *tapasaiva cāpanuded*, xiv.24.19a *prathamaṃ samāno vyāno*. xii.202.14e, 298.10c, 306.21a, 336.54a, xiii.17.42c may be excluded from this group, if we regard the conjunct consonant after the fifth syllable in these pādas does not make a position to the preceding syllable. See below Section 4.

11.16c (janamejayasya), 13.35c (janamejayasya), 16.12e (amṛtārthinas), 18.8c (janamejayasya), 19.15c (abhisāryamāṇam), 20.2c (vinatāṃ), 27.34c (aruṇas tayos tu), 30.7a (pratigṛhyatām), 31.8a (sumanomukho), 31.13a (aparājito), 32.5c (pariśuṣkamāṃsa-), 33.9c (janamejayasya), 33.11c (janamejayaṃ), 34.2c (janamejayaḥ), 41.26e (narakapratiṣṭhān), 44.19a (caritavrato), 47.18a (paridhāya), 48.1c (janamejayasya), 49.6c (vinatānimittaṃ), 49.7a (janamejayasya), 49.26a (janamejayasya), 53.32c (janamejayena), 54.7a (janamejayasya), 54.10a (janamejayas tu), 59.12a (aditir ditir), 60.51a (varuṇasya bhāryā), 60.67a (aruṇasya bhāryā), 64.32c (amitātmabhiḥ), 70.19c (anudarśayāṃ), 71.24c (anugāyamānā), 78.23c (tvaritaṃ sakāśaṃ), 80.12a (abhiṣektukāmaṃ), 89.44c (janamejayaṃ), 89.47a (janamejayādayaḥ), 89.49a (janamejayasya), 92.4c (karavāṇi kiṃ te), 94.59e (anapatyataikaputratvam), 94.67c (abhigamya), 94.74c (balavatsapatnatām), 101.4e (anusāryamāṇā), 108.10a (aparājitaḥ), 108.11c (kavacī niṣaṅgī), 122.19a (abhivādayāmahe), 155.19a (tam ahaṃ phalārthinaṃ), 201.13a (paripātyamānā), 202.16c (niyamāṃs tadā), 211.7c (anugamyamāno), 211.8c (upagīyamāno).

ii.2.17c (anugamyamānaḥ), 4.2a (ghṛtapāyasena), 7.5c (virajombaraś), 11.29a (aditir ditir), 24.11c (vyajayad), 33.26c (upanīyamānaṃ), 52.35c (upanīyamānā), 70.22a (vidurādayaś ca), 71.4a (sikatā vapan), 71.14c (sikatā vapan).

iii.14.7c (vyasanaṃ), 17.7c (abhisārayāmāsa), 21.24c (abhimantritānāṃ), 27.3a (yajuṣām ṛcāṃ ca), 33.30c (puruṣaprayatnajaṃ), 41.7a (bhagavan dadāsi), 44.2c (upavījyamāno), 44.24a (parimārjamānaḥ), 51.8c (anubhūyatām), 61.8c (mahiṣān varāhān), 61.45c (sugṛhītanāmā), 66.15c (abhivādya), 66.24c (vidhinā pareṇa), 81.53e

(avagāhya), 82.27a (kapilāvaṭaṃ), 82.69c (kapilāhrade), 127.7c (parivārya jantuṃ), 129.7c (apasarpaṇaṃ), 131.14c (śaraṇaiṣiṇaḥ), 155.52a (madhurasvarair), 163.33e (upacīyamānaś ca), 172.4c (girikūbaraṃ), 176.42c (rudhiraṃ vamantī), 185.25a (bhagavan kṛtā), 198.12a (abhivādaye), 209.20a (vaḍavāmukhaḥ), 212.11a (anunīyamāno 'pi), 231.11a (priyadarśano), 231.17a (tad idaṃ kṛtaṃ), 233.6a (śaraṇaṃ ca), 234.5a (avakīryamāṇāḥ), 243.8a (abhivāditaḥ), 246.4a (atithivratī), 246.24c (viṣayānusāriṇī), 275.36a (abhivādaye), 278.30a (avicāryam), 280.33a (anuvartatī), 297.50c (upajīvanaṃ), 297.51c (upajīvanaṃ), 297.62c (puruṣaṃ tv idānīm).

iv.8.6c (avalokayantī), 46.12c (abhiṣajyamāne), 53.63a (avakīryamāṇe), 63.48c (avakīryamāṇaḥ).

v.4.12a (amitaujase), 4.18c (aparājito), 12.15c (śaraṇāgatāsmi), 12.16a (śaraṇāgatāṃ), 14.13e (upatiṣṭha mām iti), 34.37c (mṛjayā rakṣyate), 37.11c (vṛṣalīpatir), 46.16a (abhivādayanti), 67.11a (dayito 'si), 88.22c (priyadarśano), 88.97a (abhivādayanti), 94.10a (pratiṣidhyamāno), 101.12a (sumanomukho), 162.22c (kṛtakilbiṣāḥ), 174.25a (abhivādayitvā), 175.3c (abhivādya), 175.6c (akṛtavraṇaḥ), 177.8c (akṛtavraṇo), 177.9a (śaraṇāgatāṃ), 178.15a (tam ahaṃ), 180.1a (tam ahaṃ praṇamya), 180.13c (abhivādya), 180.22c (tam ahaṃ smayann iva), 181.16e (akṛtavraṇa-), 185.14c (akṛtavraṇaḥ), 189.1c (puruṣo 'bhavad), 190.22a (avamanyase).

vi.2.29c (aruṇodayeṣu), 6.12c (parimaṇḍalo), 7.8c (parimaṇḍalas), 13.40a (parimaṇḍalo), 21.14c (puruṣaḥ sanātanatamo), 33.1a (madanugrahāya), 41.64a (anumānaye), 41.73a (anumānaye), 45.43c (kṛtavarmaṇā), 84.14c (aparājitaḥ), 84.18a (aparājito), 84.21a

(aparājitasya).

vii.9.15c (rathanemighoṣa-), 16.30c (śaraṇāgataṃ), 16.31c (apacāriṇāṃ), 18.13a (ayam arjuno), 51.25c (gurudāragāmināṃ), 51.29c (avamanyamāno), 58.27c (upagīyamāno), 64.3a (abhihārayatsu), 74.1a (parivartamāne), 112.16a (kurupāṇḍavānāṃ), 119.9c (duhituḥ svayaṃvare), 142.19c (janamejayasya), 159.4a (janamejayaḥ), 171.14a (apakṛṣyamāṇaḥ), 173.69c (śatadhā sahasradhā), 173.104a (caritaṃ mahātmāno).

viii.4.70a (janamejayo), 23.21a (avamanyase), 26.28a (anivartino), 32.42c (janamejayaḥ), 33.23a (janamejayaś ca), 40.66c (janamejayaḥ), 66.62c (śaraṇāgate), 69.38c (jitakāśino).

ix.4.49c (aruṇāṃ sarasvatīṃ), 39.1a (katham ārṣṭiṣeṇo), 44.79a (garuḍānanāḥ), 61.18c (madadhiṣṭhitatvāt).

x.8.129c (ghaṭajānavo), 10.3a (kṛtavarmaṇā).

xi.3.11a (avatāryamāṇam).

xii.8.14a (abhiśastavat), 35.4c (didhiṣūpatis), 36.21c (kharacarmavāsāḥ), 49.40a (jamadagnidhenvās), 65.13a (yavanāḥ kirātā), 66.15c (śaraṇāgateṣu), 137.16c (śaraṇāgatasya), 142.16c (śaraṇāgataṃ) 142.25a (śaraṇāgatasya), 199.6c (abhisaṃdhipūrvakaṃ), 203.9a (puruṣaṃ sanātanaṃ), 207.28c (paripakvabuddhiḥ), 224.43a (śrayaṇāc charīraṃ), 224.61c (paricārayajñāḥ), 230.12c (paricārayajñāḥ), 237.19c (amṛtaḥ sa nityaṃ), 240.1c (hṛdayaṃ priyāpriye), 260.5c (kapilasya goś ca), 266.3a (karaṇe ghaṭasya yā buddhir), 267.20c (gamanendriyaṃ), 279.18c (sukṛtakṣayād), 282.18a (abhigamya), 283.5c (kṛtapūrviṇas tu), 285.5c (sṛjataḥ prajāpater),

288.4a (śakune vayaṃ), 301.15a (prakṛtir guṇān), 301.16c (prakṛtis tathā), 302.2a (śatadhā sahasradhā), 306.60c (tadanantaraṃ ca), 311.8c (araṇīṃ mamantha), 322.42a (uśanā bṛhaspatiś caiva), 324.28c (ayajad dhariṃ), 326.3a (śukapatravarṇaḥ), 328.29c (varadaṃ namasva), 332.14c (paramāṇubhūtā), 335.26c (sahasā jagṛhatur).

xiii.16.10c (upamanyave), 17.60a (tridaśas trikāladhṛk karma-), 22.11a (ṛṣiṇā prasāditā), 27.5c (uśanā bṛhaspatir), 34.16a (bhṛgavo 'yajaṃs), 65.52a (daśagosahasradaḥ), 79.6a (navanītapaṅkāḥ), 92.13c (prapitāmahāya), 95.58a (śaraṇāgataṃ), 96.27a (anṛtau jaṭī), 96.28a (atithiṃ gṛhastho), 96.32c (śaraṇāgataṃ), 98.7c (apakāriṇaṃ), 107.33a (abhivādayeta), 107.135a (animantrito), 107.135b (animantrite), 107.148c (anukampatā), 110.58c (ayutāyutaṃ), 110.91a (dhṛtimān ahiṃsāniratah), 112.24a (anudarśitaṃ), 135.67c (vinayo jayaḥ), 135.105c (aparājitaḥ), 145.40c (śatadhā sahasradhā), 154.16a (anugamyamānā).

xiv.16.42c (paripṛccha), 39.22c (prakṛtir vikāraḥ), 44.7c (parisarpiṇāṃ), 49.33c (mahataḥ pradhāna-), 67.19c (abhivādayiṣye), 73.7c (hatabāndhavā), 93.13a (anasūyavo), 95.7a (parighṛṣṭikā).

xv.7.8a (vidurādayaś ca), 12.7c (aṭavībalaṃ), 31.19a (abhivādito).

xviii.3.20a (anubhūya pūrvaṃ).

(2) Miscellaneous

The following pādas show hypermetricism due to the reasons other than initial resolution. Here we can see a clear influence of prākṛtism in the words such as *unnayati* and *bhavati*.

i.69.30a (retodhāḥ putra unnayati), 90.32a (retodhāḥ putra unnayati).

iii.133.11a (na tena sthaviro bhavati), 133.25a (kiṃ svit suptaṃ na nimiṣati); 297.26a (kiṃ svid ādityam unnayati), 297.28a (kena svic chrotriyo bhavati), 297.28c (kena dvitīyavān bhavati), 297.29a (śrutena śrotriyo bhavati), 297.29c (dhṛtyā dvitīyavān bhavati), 297.42a (kiṃ svit suptaṃ na nimiṣati), 297.56a (kiṃ nu hitvā priyo bhavati), 297.56c (kiṃ nu hitvārthavān bhavati), 297.57a (mānaṃ hitvā priyo bhavati), 297.57c (kāmaṃ hitvārthavān bhavati).

v.43.35a (maunād dhi sa munir bhavati), 91.11c (avācyaḥ kasyacid bhavati), 186.17c (bhīṣmo vasūnām anyatamo).

vii.120.25c (naivāṅgam iṅgati kiṃcin me), 173.33c (pināķinaṃ khaṇḍaparaśuṃ).

xii.65.18a (bhūmipālānāṃ ca śuśrūṣā), 146.3c (abuddhipūrvaṃ brahmahatyā), 151.19b (śalmaliḥ kṣubhitas tat tadā), 284.26a (naṣṭaprajño yadā bhavati).[4]

xiii.45.2a (yā putrakasyāpy arikthasya), 63.9a (apūpān punarvasau dattvā), 93.4a (māsārdhamāsau nopavased), 116.67c (raivatena rantidevena).

xiv.53.7b (yad viśvaṃ sadasataḥ param), 93.66c (yadā dānarucir bhavati).

§3 Catalecticism

The epic has only two Śloka-lines with less than sixteen syllables — xii.135.59cd: *punaḥ punar vivardheta svalpo 'py anivāritaḥ* and xii.322.

11ab: *ṣaṣṭyā dantair yuktāḥ śuklair aṣṭābhir daṃṣṭrābhir ye*. I prefer reading *svalpo apy* rather than *sualpo 'py* in the former line, for I have not noticed any other example of the word-internal Vedic hiatus of *-ua-* in the epics. On the other hand, a sloppy hiatus like *-o a-* inside the pāda is not a rarity. See i.147.2b *roravītho anāthavat*, i.167.21c *rakṣo attum iha hy āvāṃ*, iii.116.15c *kopo agacchat sahasā*, iii.221.45c *niṣpatanto adr̥śyanta*, v.44.15d *sūryo ahnāya jāyate*, vii.137.23d *somadatto apīḍayat*, xii.29.77b *indro abhyavapadyata*, xii.323.48c *na sa śakyo abhaktena*; Rām i.1.71c *nirāmayo arogaś ca*, i.7.2b *siddhārtho arthasādhakaḥ*, v.48.15c *vimukto aham astreṇa*, vii.25.13d *tvatpratīkṣaḥ sthito aham*. Needless to say, this list does not include lines with the hiatus over the pāda-boundary, which takes place commonly in the epic literature.

In the latter case, we probably need to correct the text to *aṣṭābhir ye daṃṣṭrābhiś ca* (cf. Crit. App.: K1.2, D5, T, G1.3.6), in accordance with the succeeding three lines in Vidyunmālā (11cd–12ab and 12cd with resolutions).

§4 Cadence other than diiambus

Irregularity of the even pāda is found either in the cadence other than diiambus or in the neglect of Piṅgala's prohibitions, of which the latter will be treated in the next section. The majority of the first group has antibacchius (– – ⏑ ×) as the cadence. This sequence, however, is not irregular, if we regard the conjunct consonat after the thirteenth syllable as a single consonant, not making a position to the preceding syllable. The conjunct consonant is often characterized by the sonant (*n, y, r, l, v*)

4 There is a seemingly hypermetric pāda in xii.322.12c (vedā dharmā munayaḥ śāntā) and xii.322.12d (devāḥ sarve tasya visargāḥ) within a verse of Vidyunmālā, which consists of all long syllables. That is to say, the two short syllables correspond to one long in these pādas.

as the second member. The other consonants are *kṣ*, *ch*, *sth* but their numbers are relatively small. I have marked the conjunct consonant, which apparently makes no position, in italics.

i.78.21b (jyeṣṭhā śreṣṭhā ca *br*āhmaṇī), 145.26b (yathā tvaṃ vettha *br*āhmaṇi), 165.20b (bāhuvīryaś ca *kṣ*atriyaḥ).

ii.19.16b (sthāpayāmāsa *sv*e pure), 60.8d (iti tvām āha *dr*aupadī), 66.19d (vane varṣāṇi *dv*ādaśa), 67.10d (vane varṣāṇi *dv*ādaśa), 67.11b (vane varṣāṇi *dv*ādaśa).

iii.55.12d (nale vatsyāmi *dv*āpara), 67.14b (sānukrośaś ca *tv*aṃ sadā), 101.3d (rātrau vadhyanti *br*āhmaṇāḥ), 140.3d (tīrthāny etāni *dr*akṣyatha), 149.20d (loke kīrtiś ca *sth*āpitā), 154.27d (hato vādyeha *sv*apsyasi), 177.20d (brāhmaṇo na ca *br*āhmaṇaḥ), 199.12d (ṛtau bhavati *br*āhmaṇaḥ), 203.8b (lokavṛttena *kl*iśyate), 211.29b (trirātraṃ yas tu *br*āhmaṇaḥ).

iv.22.26d (pāñcālīṃ tatra *dr*aupadīm), 57.14d (daśa varṣāṇi *tr*īṇi ca).

v.34.32b (vedaiḥ paśyanti *br*āhmaṇāḥ), 36.64b (striyo bālāś ca *jñātayaḥ*), 38.12f (putraiḥ seveta *br*āhmaṇān), 42.23b (iti manyeta *br*āhmaṇaḥ), 42.31d (prajñāhīnena *kṣ*atriya), 43.24d (yam ahaṃ veda *br*āhmaṇam), 43.29b (bahupāṭhīti *br*āhmaṇam), 43.29d (jalpitenaiva *br*āhmaṇam), 43.37b (brahma paśyati *kṣ*atriya), 80.5d (mantraṃ rahasi *śr*āvitaḥ), 88.73d (apratiṣṭhaiva *jy*āyasī), 94.23d (yuddhakāmuka *kṣ*atriya).

vi.50.31b (śaravarṣeṇa *ch*ādayan).

vii.102.32b (pāñcajanyasya *śr*ūyate), 112.13b (sūtaputreṇa *ch*āditaḥ), 112.41b (sabhām ānāyya *dr*aupadīm), 120.77b (ratham āropya *sv*aṃ tadā), 146.9d (pretānām iva *kr*andatām), 171.69b (droṇaputreṇa *kṣ*atriyāḥ).

viii.10.16d (sarvabhūtāni *pr*etarāṭ), 17.42b (tava putreṇa *pr*eṣitān), 30.53b (tato bhavati *kṣ*atriyaḥ), 30.54b (punar bhavati *br*āhmaṇaḥ), 30.85b (santi sarvatra *kṣ*atriyāḥ), 31.52d (jyāśabdaś cāpi *śr*ūyate), 38.5d (samantād eva *br*āhmaṇe).

ix.26.23d (śriyaṃ prāṇāṃś ca *ty*akṣyati), 27.34d (sahadevāya *pr*āhiṇot), 63.11d (bhīṣme droṇe ca *śr*īmati).

x.2.17d (dveṣyo bhavati *pr*āyaśaḥ).

xii.38.41b (kuntī kṛṣṇā ca *dr*aupadī), 60.12b (svādhyāyenaiva *br*āhmaṇaḥ), 75.22b (nityaśastraś ca *kṣ*atriyaḥ), 76.37d (anu jīvantu *tv*āṃ janāḥ), 149.89b (priyamithyābhi*dhy*āyinā), 159.8b (kāmaṃ śūdrasya *dr*avyataḥ), 159.55d (paradāre tu *dv*e smṛte), 182.8d (brāhmaṇo na ca *br*āhmaṇaḥ), 213.14d (dānto bhavati *jñ*ānavān), 214.10b (ṛtau bhavati *br*āhmaṇaḥ), 216.25d (tadā tvaṃ tāni *dr*akṣyasi), 224.69b (vṛṣṭyā bhūyāṃsi *pr*āvṛṣi), 228.3b (yukto yuñjīta *dv*ādaśa), 235.16d (vaiśvadeve tu *jñ*ātayaḥ), 243.2d (na tena na sa *br*āhmaṇaḥ), 243.3d (na tena na ca *br*āhmaṇaḥ), 257.10d (sarvayajñeṣu *br*āhmaṇāḥ), 260.25d (kālaś caitāni *dv*ādaśa), 262.2d (pātraṃ bhavati *br*āhmaṇaḥ), 287.38d (akṣamudreva *ny*asyate), 291.45b (rūpāṇy etāni *trī*ṇi tu), 293.31b (pittaṃ majjāsthi *sn*āyu ca), 293.35b (pittaṃ majjāsthi *sn*āyu ca), 300.17d (adhidaivaṃ ca *śr*ūyatām), 306.62b (śrotum icchāmi *br*āhmaṇa), 306.63d (pitṛloke ca *br*āhmaṇa), 328.31d (pratibuddhas tu *śr*eṣṭhabhāk), 330.22b

(etaiḥ kṣīṇaiś ca *kṣ*īyate), 345.2b (nāgaṃ vipreṇa *br*āhmaṇaḥ), 346.7d (bhoktum arhasi *br*āhmaṇa), 352.4d (tato yāsyasi *br*āhmaṇa).

xiii.8.20b (daśavarṣī ca *br*āhmaṇaḥ), 9.15d (nāśā kāryā hi *br*āhmaṇaiḥ), 20.46d (śeṣā gacchantu *cch*andataḥ), 47.31b (paścād vindeta *br*āhmaṇīm), 109.32b (kṛtvā varṣāṇi *dv*ādaśa), 110.22b (tathā padmāni *dv*ādaśa), 112.39b (setihāse sa*cch*andasi), 112.42d (tato jāyati *br*āhmaṇaḥ), 112.46d (paścāj jāyati *br*āhmaṇaḥ), 128.32b (vratacaryā ca *ny*āyataḥ), 130.57b (sa vai carati *cch*andataḥ), 138.13b (kasmād arjuna *br*āhmaṇam), 140.6b (tathaiśvaryāc ca *bhr*aṃśitāḥ).

xiv.34.12b (buddhiṃ me viddhi *br*āhmaṇīm), 50.9d (yasmiṃś carati *kṣ*etravit), 95.14d (varṣāṇy etāni *dv*ādaśa).

Besides antibacchius (– – ⏑ ⏓) we find tribrach (⏑ ⏑ ⏑ –) in xii.226.7b *mukto divyais tribhir ṛṇaiḥ*; and molossus (– – – –) in xii.322.11b (one syllable short. See the preceding section.), 322.11d *lelihyante sūryaprakhyam* and xii.322.12b *yasmāt sarve lokāḥ sūtāḥ*. All the last three occur in the verses of Vidyunmālā and thus are excluded from the category of irregular Śloka-pāda (see below Section 6). In the first case, we may possibly assume that the vowel *ṛ* can lengthen the preceding syllable after the consonant *r*.[5] If this assumption be correct, we can state that there is no exception in the cadence of the Śloka-lines in the Mahābhārata.

5 xiii.17.71a *ṛtur ṛtukaraḥ kālo* may be cited in this connection.

§5 Piṅgala's prohibitions

Piṅgala prohibited pyrrhic (⏑⏑) for the 2nd–3rd (a) and the 10th–11th (b), and amphimacer (–⏑–) for the 10th–12th syllables of the Śloka line (c). Occasionally, these rules are ignored in the Mahābhārata. First, I mention the pādas which ignore the rules together with the text and then give a list of metrical sequence of the whole line. In the list the items indicate from right to left the line-number, total number of syllables (in parentheses), quantitative sequence of the line, name of the verse, and combination of the metrical type and the pattern of the first four syllables (in parentheses).

(a) Pyrrhic (⏑⏑) in the 2nd–3rd syllables

i.2.234a (etad akhilam ākhyātaṃ), 99.41a (katham arājakaṃ rāṣṭraṃ), 158.14a (na kuṇapāḥ śṛṅgiṇo vā) — ii.10.4a (raśmivatī bhāsvarā ca), 19.10a (aparihāryā meghānāṃ) — iii.222.36c (nāpi parivade śvaśrūṃ), 222.39c (nāpi parivade cāhaṃ) — iv.29.26c (vayam api nigṛhṇīmo) — v.37.1a (saptadaśemān rājendra), 135.22c (māṃ ca kuśalinīṃ brūyās) — vi.10.33c (śuktimatīm araṇyāṃ ca), 41.80a (brūhi kim atra sāhyaṃ te) — ix.44.39a (pālitakaṃ kālikaṃ ca), 45.14c (kukkuṭikā śaṅkhanikā) — x.5.24a (evam adhārmikāḥ pāpāḥ), 7.57c (pratigṛhāṇa māṃ deva) — xii.3.6a (atha kṛmiḥ śleṣmamayo), 28.38a (mātṛpitṛsahasrāṇi), 177.36a (ṣaḍja ṛṣabhagāndhārau), 293.36c (naiva pumān pumāṃś caiva) — xiii.17.71a (ṛtur ṛtukaraḥ kālo), 109.27a (prauṣṭhapadaṃ tu yo māsam).

i.2.234ab	(16)	–⏑⏑⏑ ⏑––– –⏑–– ⏑–⏑–	Śloka (Ph)
i.99.41ab	(16)	⏑⏑⏑– ⏑––– ––––⏑ ⏑–⏑–	Śloka (PD)
i.158.14ab	(16)	⏑⏑⏑– –⏑–– ⏑––⏑ ⏑–⏑–	Śloka (V4D)

ii.10.4ab	(16)	–⏑⏑– –⏑–⏑ –⏑–– ⏑–⏑–	Śloka (V4d)
ii.19.10ab	(16)	⏑⏑⏑– ———— –⏑–– ⏑–⏑–	Śloka (V3D)
iii.222.36cd	(16)	–⏑⏑⏑ ⏑––– –⏑–⏑ ⏑–⏑–	Śloka (Ph)
iii.222.39cd	(16)	–⏑⏑⏑ ⏑––– –⏑–⏑ ⏑–⏑–	Śloka (Ph)
iv.29.26cd	(16)	⏑⏑⏑⏑ ⏑––– ⏑––– ⏑–⏑–	Śloka (PH)
v.37.1ab	(16)	–⏑⏑– ———⏑ ⏑––– ⏑–⏑–	Śloka (V3d)
v.135.22cd	(16)	–⏑⏑⏑ ⏑––– –⏑–– ⏑–⏑⏑	Śloka (Ph)
vi.10.33cd	(16)	–⏑⏑– ⏑––⏑ –⏑–– ⏑–⏑–	Śloka (Pd)
vi.41.80ab	(16)	–⏑⏑– ⏑––– ⏑–⏑⏑ ⏑–⏑⏑	Śloka (Pd)
ix.44.39ab	(16)	–⏑⏑– –⏑–⏑ ⏑––– ⏑–⏑–	Śloka (V4d)
ix.45.14cd	(16)	–⏑⏑– –⏑⏑– ⏑––⏑ ⏑–⏑⏑	Śloka (V2d)
x.5.24ab	(16)	–⏑⏑– ⏑––– ———— ⏑–⏑–	Śloka (Pd)
x.7.57cd	(16)	⏑⏑⏑– ⏑––⏑ –⏑–– ⏑–⏑–	Śloka (PD)
xii.3.6ab	(16)	⏑⏑⏑– –⏑⏑– –⏑–⏑ ⏑–⏑–	Śloka (V2D)
xii.28.38ab	(16)	–⏑⏑⏑ ⏑––⏑ –⏑–⏑ ⏑–⏑⏑	Śloka (Ph)
xii.177.36ab	(16)	–⏑⏑⏑ ⏑––– –⏑–– ⏑–⏑–	Śloka (Ph)
xii.293.36cd	(16)	–⏑⏑– ⏑––⏑ ⏑––⏑ ⏑–⏑–	Śloka (Pd)
xiii.17.71ab	(16)	⏑⏑⏑⏑ ⏑––– ⏑–⏑⏑ ⏑–⏑–	Śloka (PH)
xiii.109.27ab	(16)	–⏑⏑– ⏑––⏑ ———— ⏑–⏑–	Śloka (Pd)

(b) Pyrrhic (⏑⏑) in the 10th–11th syllables

i.2.158d (saptadaśa tathāpare), 7.15b (brāhmaṇam upagamya tu), 15.11b (brāhmaṇam idam abravīt), 39.29d (tatra kṛmir abhūd aṇuḥ) — iii.186.3d (brāhmaṇam upatiṣṭhasi) — vii.56.30b (yas tam anu sa mām anu), 167.12b (nihatapārṣṇiyantṛbhiḥ), 169.8d (sātyakir idam abravīt), 171.12b (nādahad astrajo 'nalaḥ) — viii.14.10b (nihatapārṣṇisārathīn) — xii.23.4b (pitara ṛṣayas tathā), 39.43b (brāhmaṇam idam abruvan), 150.24b (bhīmam api hi nārada).

i.2.158cd	(16)	———⏑——— —⏑⏑⏑ ⏑—⏑—	Śloka (Pa)
i.7.15ab	(16)	⏑—⏑— ⏑——— —⏑⏑⏑ ⏑—⏑⏑	Śloka (PC)
i.15.11ab	(16)	—⏑—— ⏑——— —⏑⏑⏑ ⏑—⏑—	Śloka (Pb)
i.39.29cd	(16)	—⏑—— ⏑——— —⏑⏑⏑ ⏑—⏑—	Śloka (Pb)
iii.186.3cd	(16)	⏑——⏑ ⏑——— —⏑⏑⏑ ⏑—⏑⏑	Śloka (PE)
vii.56.30ab	(16)	———⏑ ⏑——⏑ —⏑⏑⏑ ⏑—⏑⏑	Śloka (Pe)
vii.167.12ab	(16)	———— ⏑——— ⏑⏑⏑— ⏑—⏑—	Śloka (Pa)
vii.169.8cd	(16)	———— ⏑——— —⏑⏑⏑ ⏑—⏑—	Śloka (Pa)
vii.171.12ab	(16)	—⏑—— ⏑——⏑ —⏑⏑— ⏑—⏑—	Śloka (Pb)
viii.14.10ab	(16)	——⏑— ⏑——— ⏑⏑⏑— ⏑—⏑—	Śloka (Pc)
xii.23.4ab	(16)	⏑——⏑ ⏑——— ⏑⏑⏑⏑ ⏑—⏑—	Śloka (PE)
xii.39.43ab	(16)	⏑——— ⏑——— —⏑⏑⏑ ⏑—⏑—	Śloka (PA)
xii.150.24ab	(16)	⏑⏑—— ⏑——— —⏑⏑⏑ ⏑—⏑⏑	Śloka (PB)

(c) Amphimacer (—⏑—) in 10th–12th syllables

Here again, quite a few pādas may be omitted from this group if the conjunct consonant with a sonant as the second member does not make a position to the preceding syllable (see above Section 4). They are iii.17.19d, 104.7d, 188.61b, vi.54.43d, vii.91.36d, 159.40b, xii.27.7b, 65.19d, 136.126b, 306.11b, 306.72b, xiii.96.2d, 109.55d, 18.20b?, 57.27d.

It appears that amphimacer in question was allowed in the epic in the stock-phrase of iambic syllables like *ubhau ca pārṣṇisārathī*, even if the phrase is not a part of the Pramāṇikā verse.

ii.47.9b (dhānyair nadīmukhaiś ca ye) — iii.17.19d (vyāvidhya satyavikramaḥ), 104.7d (svarājyam anvaśāsata), 188.61b (kākā iva

dvijottamāḥ) — iv.32.8b (ubhau ca pārṣṇisārathī) — v.36.14b (tatas tato vimucyate) [Pramāṇikā], 36.14d (na vetti duḥkham aṇv api) [Pramāṇikā], 103.38b (yad bhāvi yā ca me gatiḥ) — vi.7.18b (viśvāvasur hahā huhūḥ), 54.43d (bherīś ca jaghnire bhṛśam), 80.22f (ubhau ca pārṣṇisārathī) — vii.20.14b (ubhau ca pārṣṇisārathī), 47.14b (ubhau ca pārṣṇisārathī), 78.27d (ubhau ca pārṣṇisārathī), 91.36d (vivyādha ca tribhiḥ śaraiḥ), 105.28d (ubhau ca pārṣṇisārathī), 135.46d (ubhau ca pārṣṇisārathī), 159.40b (avācam asvapad balam) — viii.46.11b (hatau ca pārṣṇisārathī) — ix.15.63d (ubhau ca pārṣṇisārathī), 16.75d (ubhau ca pārṣṇisārathī) — xii.27.7b (rathād apacyutaṃ śaraiḥ), 27.32d (neśas tvam ātmanā nṛpa), 30.26d (na svargavāsam āpsyasi), 65.19d (dvijeṣu dadyur eva te), 136.126b (piteva hi praśādhi mām), 188.6b (sparśaṃ tvacā na vedayet), 193.11d (viśvāvasur hahā huhūḥ), 306.11b (praṇeṣyasi dvijarṣabha), 306.72b (pravartati pravartanāt), 309.32–69 [Pramāṇikā] (see below Section 6 with notes), 326.122d (sarasvatīm udīrayan) — xiii.96.2d (tathaiva ca dvijarṣibhiḥ), 101.23b (ayajñiyān nibodha me), 109.55d (kruddhasya ca prasādanam), 151.8d (viśvāvasur hahāhuhūḥ) — xiv.18.20b (pramuhya dharmavartmasu), 57.27d (dadarśa ca dvijottamam).

ii.47.9ab	(16)	–⏑–– –⏑–⏑ ––⏑– ⏑–⏑–	Śloka (V4b)
iii.17.19cd	(16)	––⏑⏑ ⏑––– ––⏑– ⏑–⏑–	Śloka (Pg)
iii.104.7cd	(16)	⏑–⏑– ––––– ⏑–⏑– ⏑–⏑⏑	Śloka (V3C)
iii.188.61ab	(16)	––⏑– ⏑––– ––⏑– ⏑–⏑–	Śloka (Pc)
iv.32.8ab	(16)	–⏑–⏑ ⏑––– ⏑–⏑– ⏑–⏑–	Śloka (Pf)
[v.36.14ab	(16)	⏑–⏑– ⏑–⏑– ⏑–⏑– ⏑–⏑–	Pramāṇikā (DC)]
[v.36.14cd	(16)	⏑–⏑– ⏑–⏑– ⏑–⏑– ⏑–⏑⏑	Pramāṇikā (DC)]

v.103.38ab	(16)	⏑ – – ⏑ ⏑ – – ⏑ – – ⏑ – ⏑ –	Śloka (PE)
vi.7.18ab	(16)	– ⏑ – – ⏑ – – ⏑ – – ⏑ – ⏑ –	Śloka (Pb)
vi.54.43cd	(16)	– – – – ⏑ – – – – – ⏑ – ⏑ –	Śloka (Pa)
vi.80.22ef	(16)	⏑ – – – ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (PA)
vii.20.14ab	(16)	⏑ – ⏑ – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (PC)
vii.47.14ab	(16)	– – ⏑ – ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pc)
vii.78.27cd	(16)	⏑ – ⏑ – ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (PC)
vii.91.36cd	(16)	⏑ ⏑ – – ⏑ – – ⏑ – – ⏑ – ⏑ –	Śloka (PB)
vii.105.28cd	(16)	⏑ – ⏑ ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (PG)
vii.135.46cd	(16)	⏑ – ⏑ – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (PC)
vii.159.40ab	(16)	– ⏑ – – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (Pb)
viii.46.11ab	(16)	– ⏑ – – ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pb)
ix.15.63cd	(16)	– – ⏑ ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pg)
ix.16.75cd	(16)	– – – – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (Pa)
xii.27.7ab	(16)	– ⏑ – – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (Pb)
xii.27.32cd	(16)	⏑ ⏑ – ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ ⏑	Śloka (PF)
xii.30.26cd	(16)	– – ⏑ – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ ⏑	Śloka (Pc)
xii.65.19cd	(16)	– – ⏑ ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pg)
xii.136.126ab	(16)	⏑ – – – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (PA)
xii.188.6ab	(16)	– – ⏑ – – – – – ⏑ – ⏑ – ⏑ –	Śloka (V3c)
xii.193.11cd	(16)	– ⏑ – – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (Pb)
xii.306.11ab	(16)	– – ⏑ ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ ⏑	Śloka (Pg)
xii.306.72ab	(16)	– – – ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pe)
[xii.309.32–69	(16)	⏑ – ⏑ – ⏑ – ⏑ – ⏑ – ⏑ – ⏑ –	Pramāṇikā (DC)]
xii.326.122cd	(16)	– – – ⏑ ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pe)
xiii.96.2cd	(16)	– – ⏑ – ⏑ – – ⏑ ⏑ – ⏑ – ⏑ –	Śloka (Pc)
xiii.101.23ab	(16)	– ⏑ – – ⏑ – – – ⏑ – ⏑ – ⏑ –	Śloka (Pb)
xiii.109.55cd	(16)	– ⏑ – – ⏑ – – – ⏑ – – ⏑ – ⏑ –	Śloka (Pb)

xiii.151.8cd	(16)	–⏑–– ⏑––⏑ ––⏑– ⏑–⏑–	Śloka (Pb)
xiv.18.20ab	(16)	⏑–⏑– ⏑––– ⏑–⏑– ⏑–⏑⏑	Śloka (PC)
xiv.57.27cd	(16)	–⏑–– ⏑––– ⏑–⏑– ⏑–⏑–	Śloka (Pb)

§6 Eight syllabic meters other than Śloka

Eight-syllabic meters (Anuṣṭubh) other than Śloka are very few in the Mahābhārata. Besides the Pramāṇikā (⏑–⏑–⏑–⏑–) in v.36.14 and xii.309.32–69,[6] and the Vidyunmālā (–––––––––) in xii.322.11–12,[7] there is no Anuṣṭubh meter in the Mahābhārata, such as Citrapadā (–⏑⏑–⏑⏑––), Haṃsaruta (–––⏑⏑⏑––), Gajagati (⏑⏑⏑–⏑⏑⏑–), Samānikā (–⏑–⏑–⏑–⏑), Māṇavaka (–⏑⏑––⏑⏑–), Vitāna (a: ––⏑⏑, b: ⏑⏑––, c: ––⏑⏑⏑–⏑–), Nārācaka (––⏑–⏑–⏑–),[8] or Nāgaraka (–⏑⏑–⏑–⏑–).[9] Naturally I have not considered the verses containing one of these sequences somewhere inside the line in this section.

§7 Word-boundaries in Vipulās (Books i—iii, BhG, Nala)

Checking caesura is a most difficult part of metrical analysis with a computer, for computer does not understand a pause of breath, not to mention a pause of meaning. Not only for computer, even for us it is not always easy to mark a caesura without any subjectivity. And often there is no caesure inside the pāda in the epic text. So I have decided tentatively to let a computer count word-boundaries mechanically. I admit that the figures in the table therefore do not respresent the exact

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6 The 4th syllable is short in 49a, the 8th syllable in 45c, and the 16th syllable in 34d, 38b, 38d, 41d, 43d, 48d, 52d, 55b, 55d, 56d, 58b, 64b, which do not end in a consonant or a long vowel.

7 11ab has only fifteen syllables. Note also that 12cd contains internal resolutions. See the last paragraph of Section 4.

8 Cf. v.35.10ab: *anvālabhe hiraṇmayaṃ prāhrāde 'haṃ tavāsanam.*

9 Cf. *ISt.* Vol.viii, pp.330, 367.

number of caesuras. They rather show the position of "possible caesuras," strictly speaking. Nevertheless, this appears to me a fairly reliable and objective method, for the statistics point, in accordance with the theory of caesura, to a reasonable variation of caesuras for the Vipulās 1 and 2, and an overwhelmingly high number of boundaries after the fifth syllable for Vipulā 3 as well as after the fourth for Vipulā 4. The actual gap between the fifth and the fourth may be slightly wider than the table shows, if we consider one-syllable words between the fourth and the fifth are often enclitics closely related to the preceding word. The same situation will apply for the gaps between the sixth & the fifth and the fourth & the third.

Since my epic file still needs revision for analysis of the word-boundaries in the Books iv–xviii, I offer here only the data concerning the first three Books and two minor Parvans of the epic (BhG, Nala). Here I used my program, which rounds off the fractions to two decimal places. (See the next page.)

Word-boundaries in Vipulās (Books i-iii, BhG, Nala)[10]

	Book i	Book ii	Book iii	BhG	Nala
V1-s3	141 (20.2%)	82 (26.8%)	232 (21.9%)	15 (25.0%)	31 (20.0%)
V1-s4	264 (37.9%)	132 (43.1%)	410 (38.7%)	22 (36.7%)	51 (32.9%)
V1-s5	343 (49.2%)	123 (40.2%)	500 (47.2%)	21 (35.0%)	71 (45.8%)
V1-s6	87 (12.5%)	28 (9.2%)	119 (11.2%)	14 (23.3%)	21 (13.5%)
V1 total	697	306	1060	60	155
V2-s3	98 (21.8%)	28 (19.3%)	130 (22.1%)	2 (5.7%)	14 (23.3%)
V2-s4	115 (25.7%)	55 (37.9%)	145 (24.6%)	12 (34.3%)	11 (18.3%)
V2-s5	253 (56.5%)	76 (52.4%)	350 (59.4%)	17 (48.6%)	40 (66.7%)
V2-s6	81 (18.1%)	21 (14.5%)	60 (13.6%)	8 (22.9%)	7 (11.7%)
V2 total	448	145	589	35	60
V3-s3	199 (34.2%)	70 (36.6%)	250 (29.7%)	6 (24.0%)	29 (34.5%)
V3-s4	22 (3.8%)	4 (2.1%)	26(3.1%)	0 (0.0%)	1 (1.2%)
V3-s5	563 (96.7%)	187 (97.9%)	812 (96.6%)	24 (96.0%)	82 (97.6%)
V3-s6	65 (11.2%)	9 (4.7%)	57 (6.8%)	2 (8.0%)	10 (11.9%)
V3 total	582	191	841	25	84
V4-s3	11 (4.7%)	3 (2.7%)	10 (4.0%)	3 (10.7%)	0 (0.0%)
V4-s4	216 (93.1%)	109 (96.5%)	240 (96.8%)	25 (89.3%)	16 (100.0%)
V4-s5	2 (0.9%)	4 (3.5%)	3 (1.2%)	0 (0.0%)	0 (0.0%)
V4-s6	18 (7.8%)	7 (6.2%)	19 (7.7%)	4 (14.3%)	0 (0.0%)
V4 total	232	113	247	28	16

Appendix: Odd pādas of rare sequences

Pd vi.10.33c, 41.80a — x.5.24a — xii.293.36c — xiii.109.27a. (For text see above Section 5a.)

PD i.99.41a — x.7.57c. (For text see above Section 5a.)

Ph i.2.234a — iii.222.36c, 222.39c — v.135.22c — xii.28.38a, 177.36a. (For text see above Section 5a.)

PH iv.29.26c — xiii.17.71a. (For text see above Section 5a.)

V1e ii.64.7a — v.88.97c — xiv.60.30c.

V2a i.46.23a, 57.27e, 58.34c, 60.48a, 68.62a, 71.34c, 82.7c, 96.18a, 114.66c, 121.7a, 123.62a, 143.15a, 158.53a, 167.11a, 213.49a, 220.5a — ii.12.36a, 21.16a, 50.17c, 61.59c — iii.2.64c, 13.49a, 30.11a, 32.8a, 36.17c, 135.9c, 140.2a, 150.15c, 158.40c, 164.34a, 198.28c, 213.18a, 214.29c, 215.8a, 218.10a, 220.22c, 243.20a, 245.33a, 282.31a — iv.8.12c, 15.15a, 15.23c, 42.26a — v.17.14c, 35.52a, 35.53a, 36.5c, 40.20a, 43.20a, 43.36a, 45.14a, 104.9a, 131.15c, 132.11c, 180.31a, 184.12a, 196.6a — vi.4.27a, 15.68c, 16.40a, 24.43a, 26.30c, 32.26c, 41.102c, 95.3c — vii.46.17a, 66.42c, 67.30a, 89.7c, 101.65a, 117.38a — viii.8.15c, 22.49a, 29.34a — ix.8.30c, 28.51a, 44.99a, 63.31a, 64.7a — x.12.23c — xii.4.17a, 21.2a, 26.13c, 29.117c, 60.14c, 66.27a, 67.2a, 80.20a, 81.14a, 89.20a, 94.17a, 96.7a, 100.18c, 115.7a,

10 In the table s3, etc. mean that a word-boundary is found after the third syllable and so on. Note that the sum of s3–s4 exceeds the total number of the Vipulā, which contains the lines without any of these boundaries.

116.13e, 132.14a, 147.2a, 171.52c, 208.8c, 209.3a, 231.28c, 235.22a, 254.2a, 255.21a, 256.7a, 260.19c, 260.29c, 260.37a, 261.14a, 288.16c, 305.9e, 316.42a, 326.40a, 327.46a, 327.106c, 331.25c — xiii.4.46a, 20.40c, 27.5a, 27.57a, 30.10a, 33.2a, 33.5a, 33.9a, 33.20c, 46.1c, 57.23c, 59.15a, 60.7c, 61.4a, 62.51a, 90.6c, 96.37c, 101.25a, 107.15c, 107.41a, 109.9a, 110.115a — xiv.8.13c, 11.4a.

V2A i.5.19a, 35.11a, 57.76a, 65.22a, 68.34a, 92.49a, 96.32a, 104.16a, 117.13a, 118.26a, 119.11a, 129.6a, 158.10a, 158.20a, 198.17a — ii.4.9a, 8.27c, 31.18a, 33.27a, 66.34a — iii.30.39c, 33.58a, 34.13a, 77.17c, 97.7a, 110.34c, 168.12a, 214.1a, 259.40c, 280.15a, 294.35a — iv.59.40a, 65.20a — v.7.36c, 31.8a, 43.4a, 68.7a, 94.19a, 115.14c, 123.10c, 127.36c, 128.16c, 128.50a, 131.8c, 133.33c, 139.53c, 144.1a, 158.31a, 166.36a, 185.18a, 194.18a — vi.14.3c, 31.10a, 32.8a, 45.60a, 54.35a, 61.7a, 114.66a — vii.90.8a, 91.8c, 173.48c — viii.18.16c, 22.17c, 24.152c — ix.26.37c, 37.48a, 38.16a, 45.8c — xii.29.22a, 29.64a, 31.1a, 61.9a, 83.64a, 88.18c, 104.18c, 104.34a, 110.22c, 132.8a, 154.9a, 154.12a, 187.29a, 192.68c, 210.8a, 213.4a, 213.5a, 217.26a, 217.46c, 220.44a, 228.8c, 236.7a, 254.7a, 255.12e, 261.39c, 306.26a, 311.2c, 316.39a, 323.46a, 324.16e, 337.33c — xiii.8.11c, 38.13a, 64.10a, 91.39a, 94.33c, 112.27a, 145.18c — xiv.19.39a, 21.15a, 93.45a — xv.35.5a.

V2b i.2.92c, 27.9c, 27.13a, 31.9c, 31.12c, 52.14a, 52.22a, 62.3a, 73.14c, 77.2a, 86.15a, 94.71c, 99.36a, 102.22a, 108.7c, 143.3c, 158.51a, 200.19a, 201.8c — ii.38.16e, 49.7a, 50.25c, 56.2a, 63.35a — iii.13.60a, 51.3a, 83.77c, 172.11a, 186.16a, 205.18c, 219.38a — iv.20.3a — v.39.69a, 93.49e, 168.17a, 186.15a — vi.10.2a, 29.19c, 34.20c, 55.19a, 58.47a, 78.5a, 91.22c, 116.14a — vii.24.11a, 58.18c, 83.29c, 92.24c, 96.37c, 120.71c — viii.63.17a — ix.18.14a, 37.32a, 44.82a, 45.28e, 60.34a — x.12.40c — xii.8.37a, 90.1c, 101.46a, 106.21a, 139.32c, 139.43a, 170.14c, 203.8a, 204.6a, 210.27c, 213.11c, 224.25a, 226.8a, 233.12a, 236.23a, 252.7c, 307.4c, 316.38c, 327.60e, 327.96c, 336.39a, 339.5a — xiii.1.33a, 19.4c, 61.10c, 73.8a, 94.27a, 96.23c, 110.94c, 142.11a, 142.17a, 150.1a — xiv.4.19c, 19.2a, 27.5c, 31.8a.

V2B i.107.18a, 129.8a — ii.8.21c — iii.210.9a — iv.56.12a — v.38.8a, 101.14a, 141.8c — vi.10.25c — vii.1.13a, 22.45c, 122.63c — viii.24.2c — x.7.19c — xii.29.98a, 67.7c, 76.7a, 132.8c, 133.7a, 173.45a, 220.99c, 251.22a, 260.30a — xiii.109.36a.

V2d ix.45.14c. (For text see above Section 5a.)

V2D xii.3.6a. (For text see above Section 5a.)

V2e ii.7.10a — iii.297.27a — v.143.1a — xiv.50.34a.

V2F ii.8.11a — xiii.123.5c.

V2g x.9.47a.

V3a ii.20.28a — iii.187.46c, 219.7c — v.38.1a, 43.28e, 43.34c, 119.7c — vi.94.9c — viii.30.26a, 35.59a — ix.18.21a, 34.23c, 42.1a, 46.10c, 51.14a — xii.3.14c, 8.21a, 21.9c, 46.22a, 126.52a, 219.22c, 229.7c, 243.4c, 258.45c, 261.12a, 290.2a, 306.4c, 330.18c, 337.1c — xiii.17.127c, 24.14a, 107.32a — xiv.20.6a, 28.14a, 57.3a.

V3A i.136.17c — iii.82.93a, 247.27c — v.56.18c, 111.10c — vi.50.53c — vii.134.24c, 164.95a — viii.28.64a, 36.13c — ix.3.13c, 7.16c, 56.36c — xii.224.24c — xiii.63.20a, 90.16a, 103.31e — xvi.4.2a.

V3b i.46.25c, 101.1c, 141 9a — iii.122.11c, 198.10e, 215.12a — iv.28.5c — v.93.19a — vi.21.16c, 52.10e, 85.3c — viii.7.27c, 36.23c, 42.19c — ix.26.45c — xii.24.18a, 292.7a, 293.28a, 317.18a, 326.72c — xiii.34.10c, 37.17a, 107.104a, 138.16a.

V3B i.122.31c — iii.149.13a, 198.52a — v.35.23a — vii.61.7a — viii.20.7c — ix.47.14c — xiii.63.22a — xiv.13.7c — xvi.3.13c.

V3d v.37.1a. (For text see above Section 5a.)

V3D ii.19.10a. (For text see above Section 5a.)

V3e vii.102.3c, 165.1c — xi.5.10c — xii.271.29c — xiv.24.12a.

V3E iii.13.105c — viii.17.32a — xii.296.2a.

V3f v.36.40c — vi.9.2a, 44.3a — vii.145.2c — xii.294.38a, 294.39a, 295.18a — xiv.57.37a.

V3F vii.18.13a — viii.62.2a — xii.202.14e, 298.10c, 306.21a, 336.54a — xiii.17.42c — xiv.24.19a.

V3g ii.45.9a — xii.124.10a, 330.65a, 339.5c — xiii.22.3a — xiv.58.2a.

V3G vii.98.12c — xiv.8.21c.

V4a i.1.12c, 5.12a, 8.21a, 25.16c, 25.17a, 57.6a, 59.40a, 68.74c, 71.22c, 92.53c, 93.40e, 94.87a, 111.29a, 113.27a, 119.16a, 121.1c, 123.70c, 139.14c, 155.38a, 155.45c, 165.10a, 165.41c, 166.29c, 169.21c, 181.25a, 188.6a, 192.9c, 193.4c, 224.29c — ii.4.11a, 8.18c, 8.19c, 19.27c, 20.17a, 27.16a, 30.3a, 46.22c, 47.3a, 47.7c, 47.10a, 48.19a, 48.33a, 49.18c, 50.1a, 53.1c, 53.9c, 55.9a, 55.15a, 58.36c, 62.18c, 64.4a, 66.32a, 69.8c, 71.39c, 71.40a — iii.9.1c, 13.35a, 13.86c, 27.22c, 36.20a, 37.4c, 43.14a, 44.11a, 80.50c, 81.51c, 93.14c, 95.18a, 101.2a, 114.9c, 131.1a, 134.5a, 135.31c, 149.19c, 158.53c, 170.32a, 184.24c, 187.15c, 188.52a, 198.86c, 200.39a, 203.20a, 206.10c, 206.28a, 211.9a, 212.26c, 213.18c, 214.9a, 214.17c, 215.10c, 215.23a, 222.6c, 222.40a, 257.2a — iv.14.1a, 53.49c — v.35.28a, 35.51a, 35.51c, 35.52c, 35.53c, 42.26c, 45.10a, 49.29c, 50.18c, 56.1c, 56.8a, 57.16c, 75.18a, 88.93a, 90.28a, 94.7c, 94.39a, 126.16a, 128.41a, 133.27a, 133.37a, 136.10a, 136.11a, 147.5c, 149.50a, 152.9c, 160.6a, 164.15c — vi.1.11c, 7.47c, 10.69c, 15.32a, 16.16a, 23.33a, 23.43c, 24.12a, 29.17a, 35.17c, 37.9a, 37.20c, 39.19a, 55.56a, 62.18c, 67.8a, 91.15a, 92.67a, 95.30a, 114.98e, 115.65c — vii.9.1a, 9.24a, 16.29a, 20.36a, 20.50c, 22.56a, 24.1c, 82.31c, 100.20c, 101.56a, 102.45e, 110.7a, 121.17a, 121.21a, 127.15c, 141.60c, 145.5c, 147.25a, 161.41a, 162.28a, 163.28c, 164.9a, 164.97c, 164.132a, 172.10a — viii.24.83c, 27.84e, 27.101a, 28.66a, 29.36a, 29.40c, 30.82a, 32.42a, 41.3c, 49.56c, 55.40c — ix.7.25a, 15.27a, 22.22a, 29.48a, 30.16c, 34.9c, 37.32c, 45.33c — x.7.29c, 16.31c — xii.4.11c, 15.11a, 16.14c, 17.10a, 19.21a, 23.14a, 29.10c, 29.74a, 29.88a, 36.4a, 47.66c, 50.35c, 60.37a, 60.41e, 61.2a, 64.10c, 70.30c, 79.33c, 80.13a, 81.6c, 81.13c, 88.10c, 92.52a, 101.3a, 101.17c, 102.13a, 102.19a, 103.26a, 104.17c, 128.14c, 128.18c, 128.38e, 128.44a, 130.21c, 133.17a, 137.71a, 138.29a, 139.59c, 139.60a, 139.68a, 140.8c, 149.28c, 160.25c, 162.6a, 163.4c, 173.10a, 192.114a, 200.26c, 202.15c, 206.9a, 206.18c, 207.10a, 210.23c, 217.52a, 220.52a, 221.77c, 224.64c, 228.8a, 228.10a, 255.34c, 258.39a, 261.38c, 262.25a, 274.33c, 278.31c, 287.11a, 288.4c, 290.63a, 306.57a, 306.79a, 306.96c, 314.47c, 326.82c, 327.41a, 327.47a, 327.53c, 327.56a, 328.47c, 332.17e, 336.51c, 336.72a, 337.1a, 337.59a — xiii.14.10a, 14.20c, 17.62a, 17.71c, 17.75a, 17.87c, 23.15a, 32.24c, 39.11a, 44.10a, 44.33c, 44.47a, 50.25a, 53.8c, 58.33a, 60.4a, 60.14a, 61.37a, 62.36a, 73.2c, 74.38a, 80.15c, 88.7a, 90.5a, 90.21a, 91.20c, 93.11a, 100.9c, 107.50a, 107.101c, 116.45c, 123.13c, 135.78a, 135.89a, 137.12a, 137.16c, 141.22c, 142.1a, 144.7a, 144.14e — xiv.7.23c, 12.5c, 24.12c, 25.14e, 33.5a, 38.7a, 84.4c, 91.6a — xvi.7.18c — xviii.1.24a.

V4A i.1.2a, 23.12c, 34.7c, 45.25a, 47.13a, 69.51e, 70.11c, 70.34c, 70.40a, 75.16a, 107.5c, 107.12a, 108.13a, 116.23a, 116.26c, 122.45a, 130.19a, 138.3a, 156.10a, 158.18a, 158.27a, 179.2a, 201.15a, 209.16a, 217.2c — ii.26.16a, 27.16a, 31.7c, 48.41c, 50.11a, 58.34a, 60.9c, 66.1a, 66.2a, 66.25a, 66.33a, 68.3c — iii.3.22a, 13.99c, 28.2c, 28.34a, 38.31a, 39.20c, 40.22a, 44.15c, 44.23a, 114.12a, 116.10a, 144.25a, 148.19c, 149.31a, 154.46a, 165.16a, 185.19c, 188.67a, 201.14c, 202.9c, 213.27a, 215.6e, 215.8c, 221.77a, 222.10a, 237.7c, 240.26a, 243.16c, 251.2a, 259.17a, 275.28c, 287.6a — iv.15.12a, 32.28a, 53.47a, 59.23c, 63.51a — v.16.4a, 18.1a, 19.30a, 29.49a, 31.3c, 32.1a, 37.59a, 43.17a, 48.44a, 49.5a, 49.35a, 56.17a, 71.9c, 91.1c, 92.53a, 93.35a, 93.52a, 94.33a, 94.34a, 123.7a, 142.11a, 149.62a, 155.37a, 160.16a, 162.1a,

176.16a, 180.6a — vi.1.17a, 3.36a, 4.32e, 6.8e, 10.11c, 10.36a, 11.3c, 15.6c, 18.12c, 24.63c, 35.31a, 37.7a, 37.7c, 41.94a, 70.33a, 73.48a, 75.43a, 92.26a, 102.7c, 102.8a, 112.35c, 112.109c, 113.30c, 114.57c, 114.76c — vii.20.40a, 35.38c, 66.37c, 68.2a, 68.48a, 97.39c, 100.12a, 114.61a, 118.40a, 125.31c, 127.15a, 130.12a, 132.24a, 136.4a, 143.8a, 152.27a, 156.2a, 156.25a, 163.43a,165.100a — viii.12.34a, 22.39a, 26.9c, 35.8c, 41.6c, 51.93c, 69.6a — ix.7.18c, 10.31a, 24.49a, 39.24a, 44.95a, 56.6a, 60.5a — x.7.6a, 7.30a — xii.10.12a, 27.11a, 29.100a, 39.31a, 54.9a, 65.24a, 70.2a, 89.9c, 92.6a, 92.38a, 93.1a, 101.4a, 101.29a, 109.7a, 110.1a, 128.25c, 137.78c, 138.62c, 139.7a, 139.10a, 159.32a, 186.2a, 192.47c, 205.19a, 216.27c, 218.4c, 257.11e, 258.11a, 262.24c, 295.14c, 300.5c, 326.22c, 327.78e — xiii.10.28a, 15.21c, 17.28a, 17.148a, 34.16c, 45.8c, 54.34c, 71.5c, 85.10a, 91.3a, 94.29a, 107.54a, 110.85a, 135.102a, 136.1c, 139.1a, 144.13c — xiv.21.6c, 28.8a, 32.6a, 93.58a — xv.24.18a — xvi.8.74a.

V4b i.5.25c, 18.8a, 27.21a, 73.6a, 76.20a, 79.27a, 82.2a, 91.19c, 107.4e, 107.17a, 108.6c, 114.40a, 119.15c, 123.60a, 133.6c, 158.49a, 213.80a, 215.12a, 219.13c, 223.6a, 223.20a — ii.6.18a, 13.25a, 22.18a, 47.9a, 48.4c, 50.14a, 55.8a, 64.13a, 66.28c, 68.4a, 71.1c — iii.13.3c, 13.116a, 18.1a, 25.4a, 25.7c, 29.19a, 31.16a, 36.26a, 38.14a, 38.37a, 38.40a, 38.42a, 40.34c, 44.30c, 52.3a, 75.3c, 92.13c, 103.16a, 106.27e, 107.16a, 114.12c, 117.18a, 131.5c, 148.31c, 155.46a, 168.22c, 180.48a, 193.16a, 197.38c, 206.4a, 210.18c, 212.21a, 213.5a, 215.16c, 222.8a, 232.7c, 237.14a, 241.19a, 244.4a, 251.7a — iv.8.10a, 35.14a, 62.8a, 66.28a — v.4.23a, 49.3a, 52.14a, 56.21a, 57.1a, 70.79a, 70.81a, 80.47a, 81.54a, 89.19a, 89.23a, 122.58a, 125.21c, 144.11a, 149.28a — vi.5.21a, 9.19a, 23.5a, 25.1a, 25.37a, 31.2a, 36.6a, 40.26c, 55.46a, 58.47c, 101.17c, 103.61a, 115.63a, 115.65a — vii.13.78c, 15.40c, 19.6c, 22.18a, 25.46c, 50.81a, 67.11c, 87.70a, 123.36a, 133.37a, 146.14c, 167.13a — viii.17.52a, 19.3a, 24.79a, 27.93a, 29.33a, 31.35a, 32.17c, 32.37a, 40.51a, 42.26a, 50.18a — ix.9.4c, 23.58c, 26.13a, 30.27c, 34.15e, 34.62a, 39.15a, 44.22a, 44.92c, 44.94a, 45.30a, 59.11c — x.4.2c — xii.3.13a, 15.9a, 24.29a, 54.11a, 54.14a, 60.46a, 74.14a, 83.6a, 97.20a, 134.1a, 146.6c, 146.17a, 147.1a, 161.33a, 166.17c, 206.16a, 218.13c, 232.7c, 256.7c, 263.37a, 263.40a, 273.32c, 274.52c, 276.55a, 283.2c, 331.26a, 332.21c, 336.76a — xiii.9.11a, 12.47a, 14.21c, 17.35a, 17.45c, 17.72a, 17.78c, 17.92c, 17.106c, 17.108c, 26.49c, 35.4a, 60.9c, 60.11a, 61.31a, 67.16c, 74.32e, 90.22c, 107.49a, 121.21c, 122.1a, 135.83a, 135.91c, 139.8a, 139.31a, 144.12c, 151.38a — xiv.13.11a, 31.4a, 72.4c — xv.4.4a — xvi.8.34c — xvii.2.3c.

V4B i.4.11c, 31.12a, 81.4c, 114.56c, 123.28a, 189.6c, 199.42c — ii.40.21c, 49.2a — iii.30.44a, 128.15a, 204.19a — v.9.29a, 9.52e, 12.17c, 42.27c, 56.36c, 149.45a — vi.11.6c, 24.26a, 62.20c, 78.42a — vii.87.2a, 133.37c — viii.31.45c, 35.31c, 36.32c, 55.39c — ix.2.20a, 30.50c, 41.14a, 51.6a — xii.112.19c — xiii.17.104c, 58.34a, 109.20a.

V4d ii.10.4a — ix.44.39a. (For text see above Section 5a.)

V4D i.158.14a. (For text see above Section 5a.)

V4e iii.38.5a.

V4F iii.245.7a — xiv.93.22a.

ma i.10.4a (ekān arthān pr̥thag arthān) — ii.71.4c (mādrīputraḥ sahadevo) — v.49.44a (jarāsaṃdhiḥ sahadevo), 70.11a (vr̥ddho rājā dhr̥tarāṣṭraḥ) — vi.10.51a (tīragrāhāstaratoyā), 15.24a (maurvīghoṣastanayitnuḥ) — vii.164.87a (viśvāmitro jamadagnir) — viii.51.50c (aśvatthāmā kr̥tavarmā), 56.55c (aśvatthāmā kr̥tavarmā) — xii.147.2c (sarvaṃ hīdaṃ svakr̥taṃ me), 237.8a (yasmin vācaḥ praviśanti), 251.18c (na hy atyantaṃ dhanavanto) — xiii.44.13a (triṃśadvarṣo daśavarṣāṃ), 94.4c (viśvāmitro jamadagniḥ), 105.46c (tūṣṇīṃgaṅgāṃ daśagaṅgāṃ) — xiv.7.22c (tāval lokān na labheyaṃ) — xv.40.10a (jārāsaṃdhir bhagadatto).

mA vii.74.24c (jaghānāśvān sapadātāṃs) — xii.75.20a (tato rājā mucukundaḥ), 148.33a (yathādityaḥ punar udyaṃs), 243.5a (yadā cāyaṃ na bibheti), 254.16a (yadā cāyaṃ na bibheti) — xiii.17.110a (bhūtālayo bhūtapatir), 110.116c (vimānaṃ candraśubhābham).

mb ii.47.4c (uṣṭravāmīs triśataṃ ca), 48.26a (pāṃśurāṣṭrād vasudāno) — v.88.43a (putralokāt patilokān) — vii.57.71c (aprameyaṃ praṇamantau) — viii.52.9a (adya rājā dhṛtarāṣṭraḥ) — xii.11.17a (devavaṃśān pitṛvaṃśān), 11.19a (devavaṃśān pitṛvaṃśān), 255.17a (satyayajñā damayajñā).

mB i.213.73a (sahadevāc chrutasenam) — xii.25.6a (atithīnāṃ ca pitṝṇāṃ), 35.4a (parivittiḥ parivettā), 159.63a (parivittiḥ parivettā) — xiii.44.54a (anukūlām anuvaṃśāṃ).

mc v.57.7c (satyavrataḥ purumitro), 57.11a (satyavrate purumitre) — vi.18.11c (satyavrataḥ purumitro) — vii.133.54c (duḥśāsano vṛṣaseno) — xiii.20.8c (pratyutthitā bhagavantaṃ) — xiv.21.8a (praśnaṃ tu vāṅmanasor).

mC i.213.72a (yudhiṣṭhirāt prativindhyaṃ) — iii.40.26a (tato 'rjunaḥ śatavarṣaṃ) — viii.58.10a (catuḥśatāḥ śaravarṣair) — ix.8.46a (hayān dvipāṃs tvarayanto) — xii.7.26e (asaṃśayaṃ dhṛtarāṣṭro).

me vi.24.46a (yāvān artha udapāne).

Ma v.42.19c (annaṃ pānaṃ ca brāhmaṇas).

Mb xii.112.65a (sthāpito 'yaṃ putra tvayā).

MB v.43.32a (abhijānāmi brāhmaṇam).

Mc i.57.93a (prahrādaśiṣyo nagnajit) — ii.53.10a (nāhaṃ nikṛtyā kāmaye) — v.42.24c (tasmād dhi kiṃcit kṣatriya) — x.7.49c (tān prekṣamāṇo 'pi vyathāṃ).

MC xiii.41.27c (akiṃcid uktvā vrīḍitas).

ME iii.185.42c (adṛśyanta saptarṣayo).

MF vi.63.15a (mukhato 'sṛjad brāhmaṇān).

Da i.158.50a (vajraṃ kṣatrasya vājino) — ii.48.41a (bhuktābhuktaṃ kṛtākṛtaṃ) — vi.22.3c (dhṛṣṭadyumnasya ca svayaṃ) — xii.97.7c (nānyo rājānam abhyased).

DA vii.35.44a (hatān putrāṃs tathā pitṝn).

DB i.57.102a (prativindhyo yudhiṣṭhirāt) — iii.13.65a (prativindhyo yudhiṣṭhirāt).

Dc v.35.10a (anvālabhe hiraṇmayaṃ).

DC i.1.208c (samāgataiḥ surarṣibhis) — v.31.19a (kuśasthalaṃ vṛkasthalam), 36.14a (yato yato nivartate), 36.14c (nivartanād dhi sarvato), 70.15a (kuśasthalaṃ vṛkasthalam), 80.7c (kuśasthalaṃ vṛkasthalam) — xii.29.21a (sa cen mamāra sṛñjaya), 29.27a (sa cen mamāra sṛñjaya), 29.34a (sa cen mamāra sṛñjaya), 29.39a (sa cen mamāra sṛñjaya), 29.45a (sa cen mamāra sṛñjaya), 29.55a (sa cen mamāra sṛñjaya), 29.63a (sa cen mamāra sṛñjaya), 29.73a (sa cen mamāra sṛñjaya), 29.86a (sa cen mamāra sṛñjaya), 29.92a (sa cen mamāra sṛñjaya), 29.97a (sa cen mamāra sṛñjaya), 29.103a (sa cen mamāra sṛñjaya), 29.112a (sa cen mamāra sṛñjaya), 29.121a (sa cen mamāra sṛñjaya), 29.128a (sa cen mamāra sṛñjaya), 29.136a (sa cen mamāra sṛñjaya), 97.7c (nānyo rājānam abhyased), 121.31c (apatrapānapatrape), 76 lines of xii.309.32–69 (Pramāṇikā. See above Section 6).

De vi.61.2a (putrāṇāṃ ca parābhavaṃ).

Dg v.45.14c (taṃ cet satatam ṛtvijaṃ).

DG xii.309.49a (na mātṛpitṛbāndhavā).